

Converting Colors

XYZ(87.7116, 90.7036, 96.2780)

Have a look what the booklet for
XYZ(87.7116, 90.7036, 96.2780)
contains.

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Color

**XYZ(87.4130, 90.3644,
96.0540)**

Conversions

Conversions Part 1

Format	Color
Hex	FBF2F1
RGB	251, 242, 241
RGB Percent	98%, 95%, 95%
CMY	0.0157, 0.0510, 0.0549
CMYK	0.00, 0.04, 0.04, 0.02
HSL	6°, 56%, 96%
HSV	6°, 4%, 98%
XYZ	87.4130, 90.3644, 96.0540
YIQ	244.5770, 5.6850, 1.5970

Conversions

Conversions Part 2

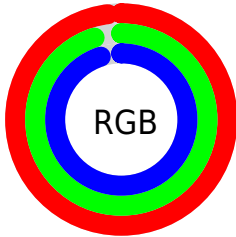
Format	Color
R _Y B	251, 242, 241
Decimal	16511729
CIE Lab	96.15, 2.84, 1.54
CIE LCh	96, 3.235, 28.498
Yxy	90.3644, 0.3192, 0.3300
Android (android.graphics.Color)	4294701809 (0xFFFBF2F1)
YUV	244.5770, -1.7635, 5.6330
Hunter-Lab	95.0602, -2.2149, 6.6323

Details

The XYZ color **87.4130, 90.3644, 96.0540** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **87.8737, 94.0356, 104.7872**, and the grayscale version is **86.4640, 90.9669, 99.0630**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.5640, 50.0899, 53.0077** is the 20% darker color. If you saturate the color by 10%, you get **77.6091, 76.3483, 75.5453**, and if you desaturate by 10%, it is **93.5942, 99.2495, 108.8319**.

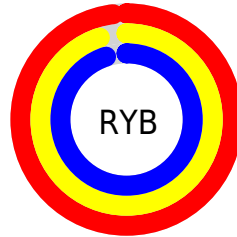
Distribution



Red (98%)

Green (95%)

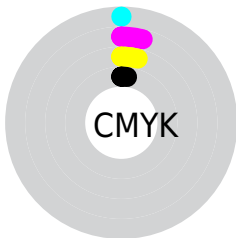
Blue (95%)



Red (98%)

Yellow (95%)

Blue (95%)

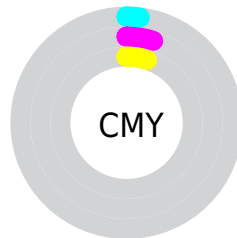


Cyan (0%)

Magenta (4%)

Yellow (4%)

Black (2%)



Cyan (2%)

Magenta (5%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.4130, 90.3644, 96.0540 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 87.4130, 90.3644, 96.0540 by changing the saturation by 10% instead.

87.4130, 90.3644,
96.0540

87.4130, 90.3644,
96.0540

507.9432,
529.2155, 568.6041

66.1662, 68.2829,
72.4108

142.6364,
147.8445, 157.7280

48.6755, 50.1279,
53.0054

177.3437,
184.0118, 196.5959

34.5756, 35.5151,
37.4194

217.2685,
225.6433, 241.3758

23.5012, 24.0599,
25.2340

262.7762,
273.1232, 292.4863

15.0867, 15.3781,
16.0309

314.2322,
326.8360, 350.3458

8.9670, 9.0851,
9.3914

372.0018,

4.7766, 4.7968,

387.1660, 415.3729

4.8971

436.4503,
454.4977, 487.9861

■ 2.1502, 2.1285,
2.1293

■ 0.7163, 0.6806,
0.6331

■ 87.4130, 90.3644,
96.0540

■ 87.4130, 90.3644,
96.0540

■ 77.6091, 76.3483,
75.5453

■ 93.5942, 99.2495,
108.8319

■ 69.0980, 64.1257,
57.9113

■ 61.8277, 53.6276,
43.0254

■ 55.7401, 44.7764,
30.7489

■ 50.7724, 37.4884,
20.9312

■ 46.8557, 31.6723,
13.4064

■ 43.9136, 27.2278,
7.9878

■ 41.8593, 24.0415,
4.4596

■ 40.5899, 21.9818,
2.5593

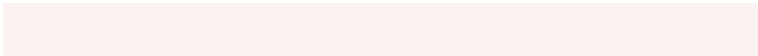
Harmonies

Analogous

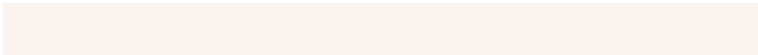
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.6240, 90.3644, 98.5210



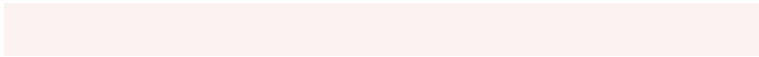
87.4130, 90.3644, 96.0540



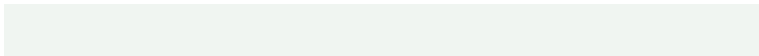
86.7928, 90.3644, 94.2407

Triad

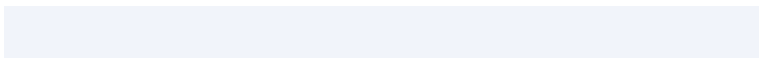
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.4130, 90.3644, 96.0540



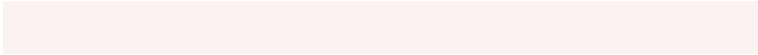
84.4268, 90.3644, 95.8335



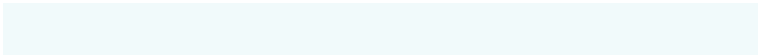
85.8435, 90.3644, 103.4112

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



87.4130, 90.3644, 96.0540



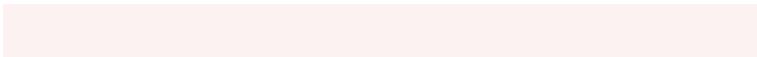
87.8737, 94.0356, 104.7872

Split Complementary

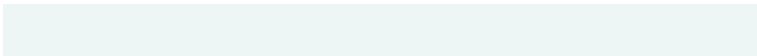
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.9908, 90.3644, 102.6624



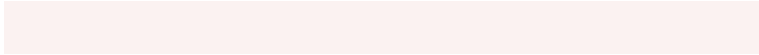
87.4130, 90.3644, 96.0540



84.1764, 90.3644, 98.2621

Square

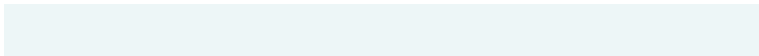
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4130, 90.3644, 96.0540



85.0685, 90.3644, 94.1149



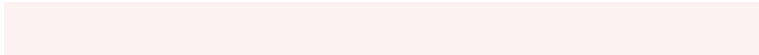
84.3821, 90.3644, 100.7666



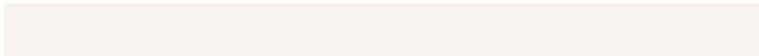
86.7140, 90.3644, 102.7956

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.4130, 90.3644, 96.0540



86.2330, 90.3644, 93.6312



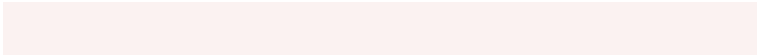
84.3821, 90.3644, 100.7666



85.5453, 90.3644, 103.3105

Sweetspot

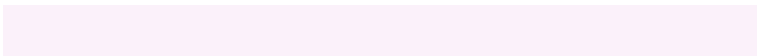
The Sweet Spot groups the original color and five complimentary colors.



87.4155, 90.3683, 96.0560



93.9147, 98.3820, 106.5096



88.4955, 90.3233, 103.2136



20.1136, 21.0749, 22.8226



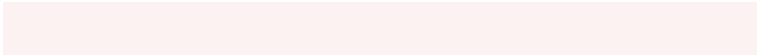
0.0000, 0.0000, 0.0000



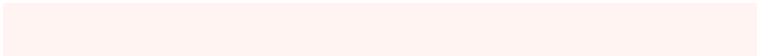
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4155, 90.3683, 96.0560



89.5142, 92.1050, 97.2615



88.9229, 93.3829, 96.5584



18.1905, 18.6567, 19.6120



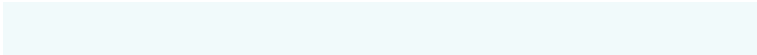
21.1440, 11.2446, 1.0560



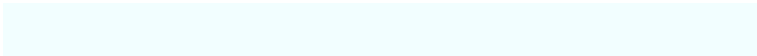
2.0035, 1.1319, 0.1129

Inverse Universe

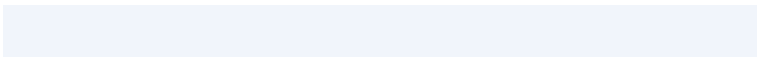
The Inverse Universe completely reimagines the original color for something new.



87.8737, 94.0356, 104.7872



90.1067, 96.8472, 108.5520



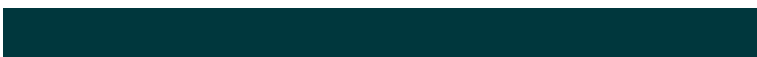
86.3419, 90.9720, 104.2766



18.3280, 19.7575, 22.2329



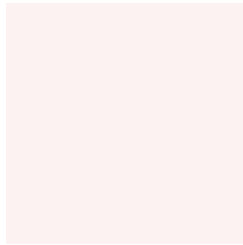
23.4803, 32.3161, 52.9736



2.2164, 3.0765, 4.9202

Previews

White Background



This preview shows how the XYZ color 87.4130, 90.3644, 96.0540 looks on a white background.

Color Contrast Check

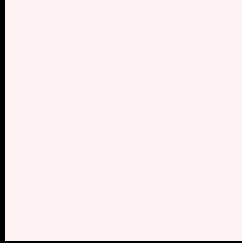
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 87.4130, 90.3644, 96.0540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

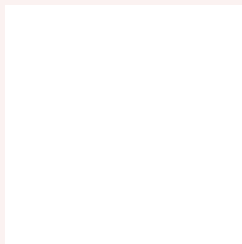
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.4130, 90.3644, 96.0540

Background



This preview shows how black text looks on a background with the XYZ color 87.4130, 90.3644, 96.0540.



This preview shows how white text looks on a background with the XYZ color 87.4130, 90.3644,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

87.4130, 90.3644, 96.0540

Protanopia

86.9947, 90.5918, 96.1199

Deuteranopia

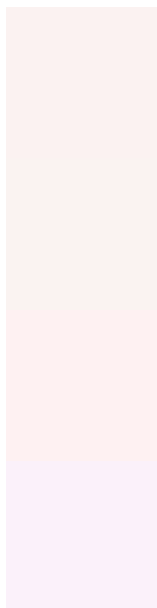
88.5778, 90.0512, 97.5071



Tritanopia

88.9937, 90.0494, 107.2985

Trichromacy



Original Color

87.4130, 90.3644, 96.0540

Protanomaly

87.3521, 90.7761, 96.1367

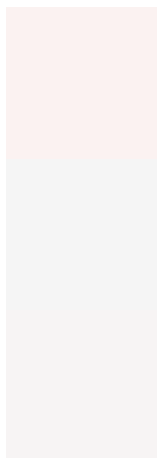
Deuteranomaly

88.3554, 90.3922, 96.7950

Tritanomaly

88.4943, 90.3220, 103.2122

Monochromacy



Original Color

87.4130, 90.3644, 96.0540

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

87.0376, 91.0072, 98.5667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.4130, 90.3644, 96.0540 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(251, 242, 241)` looks like.

```
.text, #text, p{  
    color:rgb(251, 242, 241)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(251, 242, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 242, 241) }
```

Border

The CSS property to change the border of an element to XYZ 87.4130, 90.3644, 96.0540 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(251, 242, 241) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(251, 242, 241) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(251, 242, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(251, 242, 241); -webkit-box-shadow:4px 4px 4px 4px rgb(251, 242, 241); box-shadow:4px 4px 4px 4px rgb(251, 242, 241) }
```

Background

The CSS property to change the background color of an element to XYZ 87.4130, 90.3644, 96.0540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 242, 241) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(251,  
242, 241) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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