

Converting Colors

XYZ(87.7086, 87.1977,
100.6553)

Have a look what the booklet for
XYZ(87.7086, 87.1977, 100.6553)
contains.

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Color

**XYZ(87.8916, 87.4540,
101.0549)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEBF8
RGB	255, 235, 248
RGB Percent	100%, 92%, 97%
CMY	0.0000, 0.0784, 0.0274
CMYK	0.00, 0.08, 0.03, 0.00
HSL	321°, 100%, 96%
HSV	321°, 8%, 100%
XYZ	87.8916, 87.4540, 101.0549
YIQ	242.4620, 7.7470, 8.2830

Conversions

Conversions Part 2

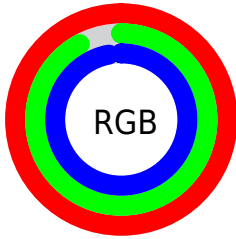
Format	Color
RYB	255, 235, 248
Decimal	16772088
CIELab	94.93, 8.98, -3.83
CIELCh	95, 9.757, 336.903
Yxy	87.4540, 0.3180, 0.3164
Android (android.graphics.Color)	4294962168 (0xFFFFEBF8)
YUV	242.4620, 2.7302, 10.9958
Hunter-Lab	93.5168, 4.1084, 1.3926

Details

The XYZ color **87.8916, 87.4540, 101.0549** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.0506, 95.5943, 97.9241**, and the grayscale version is **84.7407, 89.1538, 97.0884**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.9232, 48.0517, 56.5656** is the 20% darker color. If you saturate the color by 10%, you get **79.7560, 73.3461, 91.6739**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

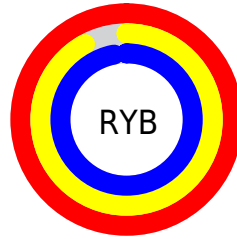
Distribution



Red (100%)

Green (92%)

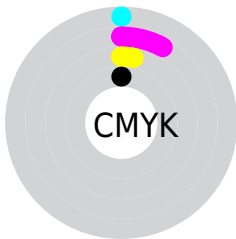
Blue (97%)



Red (100%)

Yellow (92%)

Blue (97%)

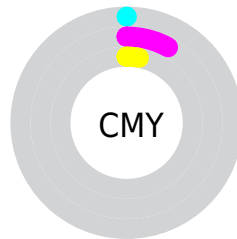


Cyan (0%)

Magenta (8%)

Yellow (3%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.8916, 87.4540, 101.0549 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 87.8916, 87.4540, 101.0549 by changing the saturation by 10% instead.

87.8916, 87.4540,
101.0549

87.8916, 87.4540,
101.0549

509.4889,
519.7135, 584.8451

66.5638, 65.8710,
76.5600

143.2995,
143.7968, 164.6706

48.9996, 48.1677,
56.3824

178.1104,
179.3253, 204.6285

34.8337, 33.9597,
40.1036

218.1462,
220.2711, 250.5779

23.7007, 22.8626,
27.3049

263.7725,
267.0187, 302.9372

15.2353, 14.4921,
17.5679

315.3546,
319.9523, 362.1250

9.0721, 8.4637,
10.4740

373.2578,

4.8457, 4.3931,

379.4564, 428.5599

5.6046

437.8474,
445.9153, 502.6604

■ 2.1908, 1.8958,
2.5413

■ 0.7379, 0.5458,
0.8619

■ 87.8916, 87.4540,
101.0549

■ 87.8916, 87.4540,
101.0549

■ 79.7560, 73.3461,
91.6739

95.0500, 100.0000,
108.9000

■ 72.6858, 61.2651,
82.9681

■ 66.6345, 51.1192,
74.9187

■ 61.5498, 42.8053,
67.5036

■ 57.3747, 36.2109,
60.6990

■ 54.0458, 31.2107,
54.4788

■ 51.4910, 27.6625,
48.8141

■ 49.6258, 25.3986,
43.6714

■ 48.3370, 24.1944,
39.0077

Harmonies

Analogous

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



86.2155, 87.4540, 107.3584



87.8916, 87.4540, 101.0549



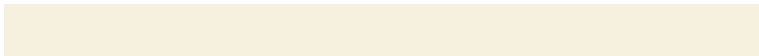
88.2773, 87.4540, 93.4818

Triad

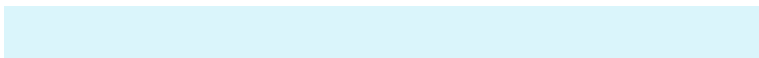
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.8916, 87.4540, 101.0549



82.5123, 87.4540, 81.4749



79.1192, 87.4540, 104.2442

Complementary

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



87.8916, 87.4540, 101.0549



86.0506, 95.5943, 97.9241

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.



78.1722, 87.4540, 96.9848



87.8916, 87.4540, 101.0549



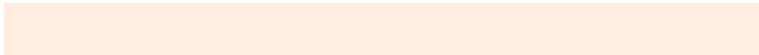
80.1041, 87.4540, 84.0376

Square

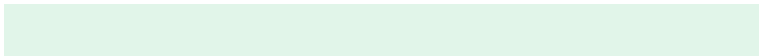
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



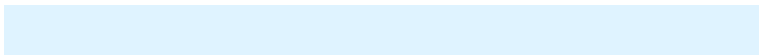
87.8916, 87.4540, 101.0549



85.1347, 87.4540, 82.4364



78.5289, 87.4540, 89.6190



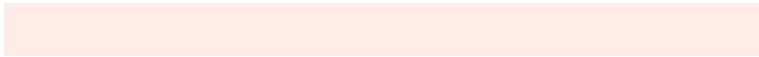
81.1421, 87.4540, 109.2669

Rectangle

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



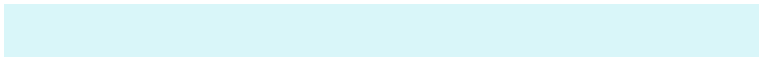
87.8916, 87.4540, 101.0549



87.7435, 87.4540, 88.7794



78.5289, 87.4540, 89.6190



78.6665, 87.4540, 101.9701

Sweetspot

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



87.8936, 87.4575, 101.0568



93.1584, 96.6746, 106.8582



84.3794, 85.5181, 106.6671



19.9596, 20.7272, 22.8936



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

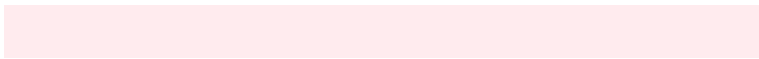
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8936, 87.4575, 101.0568



86.8941, 85.7147, 99.9337



86.3834, 86.8535, 93.1044



18.5068, 18.1860, 21.2859



25.2064, 12.5718, 20.2691



2.5060, 1.2448, 2.2461

Inverse Universe

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



87.8936, 87.4575, 101.0568



86.8941, 85.7147, 99.9337



87.5938, 96.2115, 106.0502



18.5068, 18.1860, 21.2859



25.2064, 12.5718, 20.2691



2.5060, 1.2448, 2.2461

Previews

White Background



This preview shows how the XYZ color 87.8916, 87.4540, 101.0549 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 87.8916, 87.4540, 101.0549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

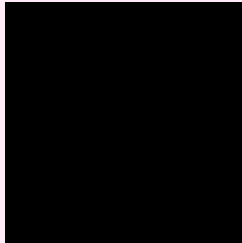
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.8916, 87.4540, 101.0549

Background



This preview shows how black text looks on a background with the XYZ color 87.8916, 87.4540, 101.0549.



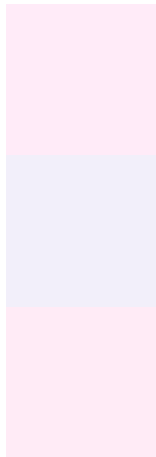
This preview shows how white text looks on a background with the XYZ color 87.8916, 87.4540,

101.0549.

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

87.8916, 87.4540, 101.0549

Protanopia

84.7398, 87.5124, 102.8678

Deuteranopia

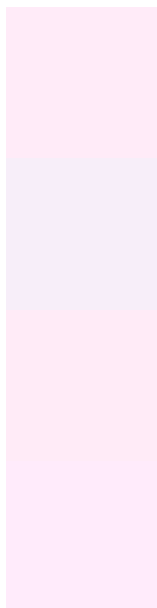
87.5829, 87.3305, 99.4291



Tritanopia

88.5190, 87.7049, 104.3588

Trichromacy



Original Color

87.8916, 87.4540, 101.0549

Protanomaly

86.0312, 87.7628, 102.0281

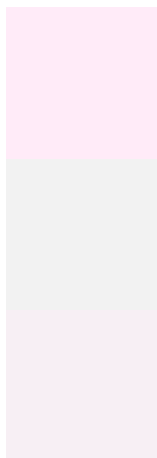
Deuteranomaly

87.7368, 87.3921, 100.2398

Tritanomaly

88.3609, 87.6417, 103.5262

Monochromacy



Original Color

87.8916, 87.4540, 101.0549

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

85.5534, 88.0388, 98.0720

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.8916, 87.4540, 101.0549 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(255, 235, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 248)  
}
```

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(255, 235, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 248) }
```

Border

The CSS property to change the border of an element to XYZ 87.8916, 87.4540, 101.0549 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(255, 235, 248) }
```


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

```
.border{ border-color:rgb(255, 235, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 87.8916, 87.4540, 101.0549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 248) }
```

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

```
.background{ background-color: rgb(255,  
235, 248) }
```

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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