

Converting Colors

XYZ(90.4446, 89.1234, 96.5309)

Have a look what the booklet for
XYZ(90.4446, 89.1234, 96.5309)
contains.

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Color

**XYZ(87.2625, 87.6617,
96.3256)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECF2
RGB	255, 236, 242
RGB Percent	100%, 93%, 95%
CMY	0.0000, 0.0745, 0.0510
CMYK	0.00, 0.07, 0.05, 0.00
HSL	341°, 100%, 96%
HSV	341°, 7%, 100%
XYZ	87.2625, 87.6617, 96.3256
YIQ	242.3650, 9.3980, 5.8940

Conversions

Conversions Part 2

Format	Color
R _Y B	255, 236, 242
Decimal	16772338
CIE Lab	95.02, 7.43, -0.58
CIE LCh	95, 7.455, 355.504
Yxy	87.6617, 0.3217, 0.3232
Android (android.graphics.Color)	4294962418 (0xFFFFE2F2)
YUV	242.3650, -0.1799, 11.0809
Hunter-Lab	93.6278, 2.5159, 4.5411

Details

The XYZ color **87.2625, 87.6617, 96.3256** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.4536, 96.1937, 103.5840**, and the grayscale version is **84.6851, 89.0953, 97.0248**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.4729, 48.1935, 53.2018** is the 20% darker color. If you saturate the color by 10%, you get **77.9411, 73.0152, 80.8989**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

Distribution



Red (100%)

Green (93%)

Blue (95%)



Red (100%)

Yellow (93%)

Blue (95%)



Cyan (0%)

Magenta (7%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (7%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.2625, 87.6617, 96.3256 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 87.2625, 87.6617, 96.3256 by changing the saturation by 10% instead.

 87.2625, 87.6617,
96.3256

 87.2625, 87.6617,
96.3256


507.4567,
520.3947, 569.4925

 66.0412, 66.0429,
72.6358


142.4277,
144.0861, 158.1060

 48.5737, 48.3073,
53.1882


177.1024,
179.6605, 197.0337

 34.4946, 34.0703,
37.5643


216.9923,
220.6556, 241.8777

 23.4385, 22.9476,
25.3455

262.4627,
267.4557, 293.0567

 15.0401, 14.5548,
16.1133

313.8790,
320.4453, 350.9891

 8.9340, 8.5075,
9.4491

371.6065,

 4.7549, 4.4214,

380.0087, 416.0935

4.9345

436.0106,
446.5304, 488.7885

■ 2.1375, 1.9120,
2.1508

■ 0.7095, 0.5556,
0.6458

■ 87.2625, 87.6617,
96.3256

■ 87.2625, 87.6617,
96.3256

■ 77.9411, 73.0152,
80.8989

95.0500, 100.0000,
108.9000

■ 69.8650, 60.4703,
67.0855

■ 62.9814, 49.9331,
54.8333

■ 57.2315, 41.2981,
44.0850

■ 52.5514, 34.4503,
34.7796

■ 48.8705, 29.2621,
26.8515

■ 46.1092, 25.5889,
20.2297

■ 44.1747, 23.2605,
14.8353

■ 42.9482, 22.0563,
10.5768

Harmonies

Analogous

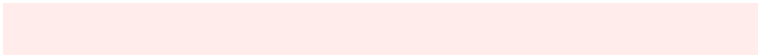
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5705, 87.6617, 101.9051



87.2625, 87.6617, 96.3256



86.8841, 87.6617, 90.7269

Triad

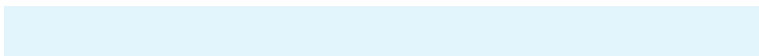
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2625, 87.6617, 96.3256



81.6544, 87.6617, 85.7328



81.1338, 87.6617, 104.9382

Complementary

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



87.2625, 87.6617, 96.3256



87.4536, 96.1937, 103.5840

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.



79.8544, 87.6617, 100.3315



87.2625, 87.6617, 96.3256



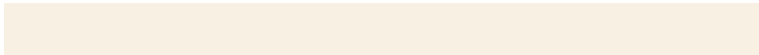
80.1515, 87.6617, 89.2709

Square

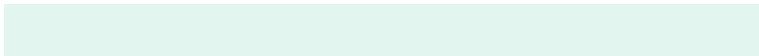
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



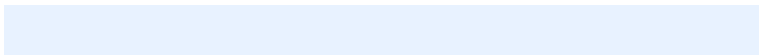
87.2625, 87.6617, 96.3256



83.6254, 87.6617, 84.7568



79.4977, 87.6617, 94.5771



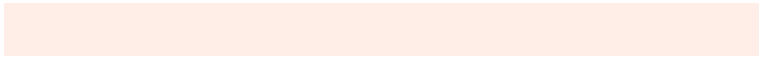
83.0149, 87.6617, 107.0039

Rectangle

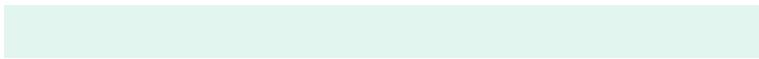
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



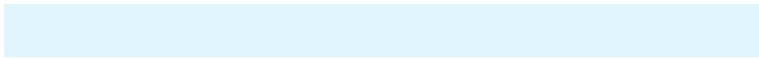
87.2625, 87.6617, 96.3256



86.0789, 87.6617, 87.7127



79.4977, 87.6617, 94.5771



80.6203, 87.6617, 103.6267

Sweetspot

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



87.2644, 87.6652, 96.3275



92.8876, 96.5663, 105.4322



87.1088, 87.3514, 106.8771



19.9044, 20.7051, 22.6033



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

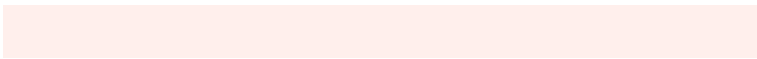
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2644, 87.6652, 96.3275



85.7342, 85.2508, 93.8260



87.3908, 89.3357, 91.9989



18.2456, 18.0815, 19.9103



22.3742, 11.4390, 5.3552



2.2255, 1.1326, 0.7689

Inverse Universe

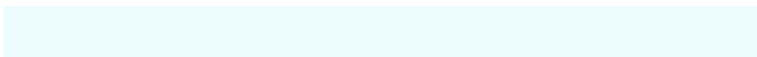
The Inverse Universe completely reimagines the original color for something new.



87.2644, 87.6652, 96.3275



85.7342, 85.2508, 93.8260



87.3032, 94.3722, 108.2220



18.2456, 18.0815, 19.9103



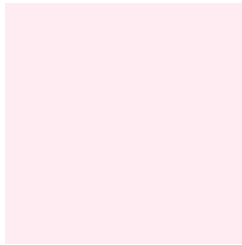
22.3742, 11.4390, 5.3552



2.2255, 1.1326, 0.7689

Previews

White Background



This preview shows how the XYZ color 87.2625, 87.6617, 96.3256 looks on a white background.

Color Contrast Check

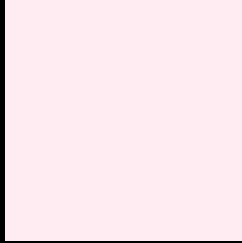
Large Text (above 18pt) WCAG AA × Fail

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 87.2625, 87.6617, 96.3256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

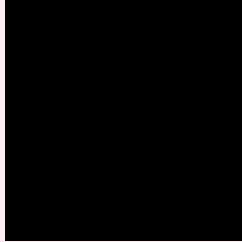
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

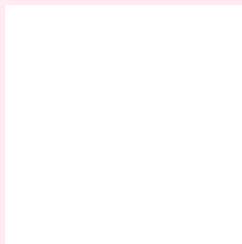
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 87.2625, 87.6617, 96.3256

Background



This preview shows how black text looks on a background with the XYZ color 87.2625, 87.6617, 96.3256.

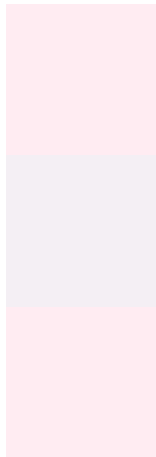


This preview shows how white text looks on a background with the XYZ color 87.2625, 87.6617,

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

87.2625, 87.6617, 96.3256

Protanopia

84.5039, 87.4978, 98.0229

Deuteranopia

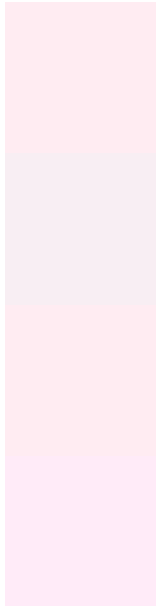
87.2625, 87.6617, 96.3256



Tritanopia

88.5190, 87.7049, 104.3588

Trichromacy



Original Color

87.2625, 87.6617, 96.3256

Protanomaly

85.4636, 87.5766, 97.1936

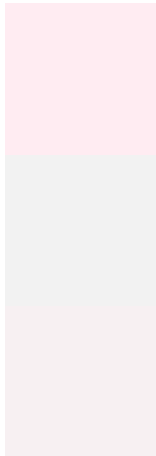
Deuteranomaly

87.2625, 87.6617, 96.3256

Tritanomaly

87.8916, 87.4540, 101.0549

Monochromacy



Original Color

87.2625, 87.6617, 96.3256

Achromatopsia

84.3971, 88.7923, 96.6948

Achromatomaly

85.5449, 88.5051, 96.5789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.2625, 87.6617, 96.3256 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, 236, 242) looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 242)  
}
```

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, 236, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 242) }
```

Border

The CSS property to change the border of an element to XYZ 87.2625, 87.6617, 96.3256 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, 236, 242) }
```


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

```
.border{ border-color:rgb(255, 236, 242) }
```

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

Here you see how a box with a 4 pixel rgb(255, 236, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 87.2625, 87.6617, 96.3256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 242) }
```

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

```
.background{ background-color: rgb(255,  
236, 242) }
```

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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