

Converting Colors

XYZ(67.6188, 56.9016, 94.2501)

Have a look what the booklet for
XYZ(67.6188, 56.9016, 94.2501)
contains.

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Color

**XYZ(67.6797, 56.8985,
94.6042)**

Conversions

Conversions Part 1

Format	Color
Hex	EDB3F6
RGB	237, 179, 246
RGB Percent	93%, 70%, 96%
CMY	0.0706, 0.2980, 0.0353
CMYK	0.04, 0.27, 0.00, 0.04
HSL	292°, 79%, 83%
HSV	292°, 27%, 96%
XYZ	67.6797, 56.8985, 94.6042
YIQ	203.9800, 13.0610, 33.1330

Conversions

Conversions Part 2

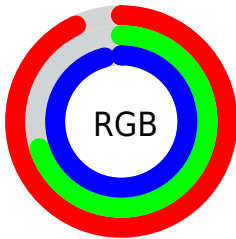
Format	Color
R _Y B	237, 179, 246
Decimal	15578102
CIE _{Lab}	80.12, 32.17, -25.12
CIE _{LCh}	80, 40.811, 322.017
Yxy	56.8985, 0.3088, 0.2596
Android (android.graphics.Color)	4293768182 (0xFFEDB3F6)
YUV	203.9800, 20.7159, 28.9585
Hunter-Lab	75.4311, 28.1527, -21.5586

Details

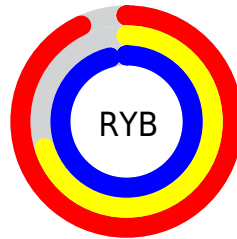
The XYZ color **67.6797, 56.8985, 94.6042** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **61.8334, 79.8590, 54.8059**, and the grayscale version is **57.2509, 60.2324, 65.5931**.

A 20% lighter version of the original color is **88.9983, 87.8967, 106.8828**, and **35.5775, 28.3427, 52.3107** is the 20% darker color. If you saturate the color by 10%, you get **62.0897, 47.3403, 93.0547**, and if you desaturate by 10%, it is **74.1731, 68.2311, 96.4502**.

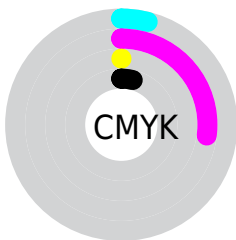
Distribution



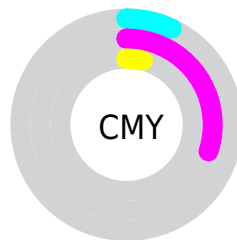
- Red (93%)
- Green (70%)
- Blue (96%)



- Red (93%)
- Yellow (70%)
- Blue (96%)



- Cyan (4%)
- Magenta (27%)
- Yellow (0%)
- Black (4%)



- Cyan (7%)
- Magenta (30%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.6797, 56.8985, 94.6042 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 67.6797, 56.8985, 94.6042 by changing the saturation by 10% instead.

67.6797, 56.8985,
94.6042

67.6797, 56.8985,
94.6042

441.7549,
413.0689, 563.8490

49.9099, 40.9238,
71.2105

114.9382,
100.3171, 155.7085

35.5593, 28.2595,
52.0311

145.1577,
128.5297, 194.2563

24.2626, 18.5214,
36.6475

180.2578,
161.5904, 238.6925

15.6543, 11.3250,
24.6410

220.6039,
199.8836, 289.4357

9.3692, 6.2858,
15.5932

266.5612,
243.7936, 346.9044

5.0418, 3.0197,
9.0855

318.4953,

2.3068, 1.1420,

293.7049, 411.5172

4.6994

376.7714,
350.0019, 483.6925

■ 0.7981, 0.0136,
2.0164

■ 0.0000, 0.0000,
0.5653

■ 67.6797, 56.8985,
94.6042

■ 67.6797, 56.8985,
94.6042

■ 62.0897, 47.3403,
93.0547

■ 74.1731, 68.2311,
96.4502

■ 57.3508, 39.4554,
91.7826

■ 81.6079, 81.4172,
98.6035

■ 53.4137, 33.1441,
90.7719

■ 90.0264, 96.5404,
101.0789

■ 50.2215, 28.2930,
90.0038

■ 91.8978, 98.5385,
101.3659

47.7097, 24.7733,
89.4568

93.0937, 99.1550,
101.4219

45.8028, 22.4337,
89.1057

93.6347, 99.4339,
101.4472

44.4025, 21.0783,
88.9179

44.0628, 20.7936,
88.8808

Harmonies

Analogous

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



60.2953, 56.8985, 114.8072



67.6797, 56.8985, 94.6042



71.5004, 56.8985, 68.5288

Triad

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



67.6797, 56.8985, 94.6042



56.3302, 56.8985, 26.7827



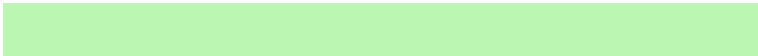
40.5765, 56.8985, 80.7433

Complementary

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



67.6797, 56.8985, 94.6042



61.8334, 79.8590, 54.8059

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.



39.7478, 56.8985, 55.8115



67.6797, 56.8985, 94.6042



48.3078, 56.8985, 28.4718

Square

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



67.6797, 56.8985, 94.6042



64.5237, 56.8985, 32.4273



42.4368, 56.8985, 37.8389



44.8294, 56.8985, 105.4821

Rectangle

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



67.6797, 56.8985, 94.6042



71.2654, 56.8985, 52.9039



42.4368, 56.8985, 37.8389



39.9071, 56.8985, 71.9789

Sweetspot

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



67.6815, 56.9010, 94.6054



87.8830, 87.1518, 106.7978



53.4356, 52.6568, 94.5371



18.5386, 18.1694, 22.7799



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.



67.6815, 56.9010, 94.6054



69.7876, 55.4680, 101.6359



67.3865, 57.1389, 76.9734



16.9819, 16.6488, 20.8611



23.6061, 11.1437, 47.4448



2.1341, 1.0100, 4.1727

Inverse Universe

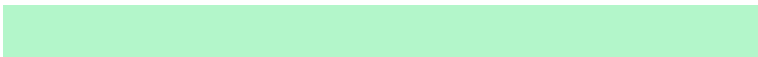
The Inverse Universe completely reimagines the original color for something new.



63.2051, 55.4663, 54.9542



64.2340, 53.7129, 51.3213



62.2622, 79.7823, 68.2771



16.5897, 16.5187, 17.5862



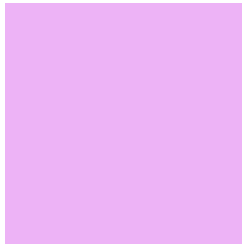
20.4617, 10.5281, 1.8736



1.8261, 0.9364, 0.3107

Previews

White Background



This preview shows how the XYZ color 67.6797, 56.8985, 94.6042 looks on a white background.

Color Contrast Check

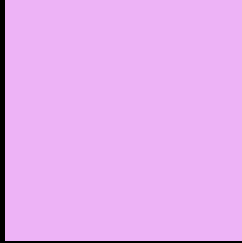
Large Text (above 18pt) WCAG AA × Fail

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 67.6797, 56.8985, 94.6042 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 67.6797, 56.8985, 94.6042

Background



This preview shows how black text looks on a background with the XYZ color 67.6797, 56.8985, 94.6042.



This preview shows how white text looks on a background with the XYZ color 67.6797, 56.8985,

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

67.6797, 56.8985, 94.6042

Protanopia

57.7834, 57.3429, 102.6305

Deuteranopia

58.4577, 57.2370, 92.7608



Tritanopia

61.3860, 56.7938, 63.6040

Trichromacy



Original Color

67.6797, 56.8985, 94.6042



Protanomaly

60.6127, 56.5517, 99.8164



Deuteranomaly

61.3907, 56.7757, 93.3111



Tritanomaly

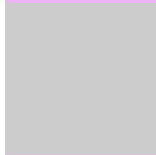
63.3997, 56.6666, 73.9259

Monochromacy



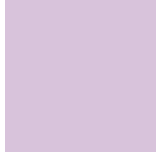
Original Color

67.6797, 56.8985, 94.6042



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

60.6202, 58.7436, 75.1615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6797, 56.8985, 94.6042 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(237, 179, 246)` looks like.

```
.text, #text, p{  
    color:rgb(237, 179, 246)  
}
```

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(237, 179, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 179, 246) }
```

Border

The CSS property to change the border of an element to XYZ 67.6797, 56.8985, 94.6042 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(237, 179, 246) }
```


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

```
.border{ border-color:rgb(237, 179, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 179, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 179, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 179, 246);  
box-shadow:4px 4px 4px 4px rgb(237, 179,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6797, 56.8985, 94.6042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 179, 246) }
```

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

```
.background{ background-color: rgb(237,  
179, 246) }
```

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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