

Converting Colors

XYZ(67.9019, 60.5807, 84.4512)

Have a look what the booklet for
XYZ(67.9019, 60.5807, 84.4512)
contains.

XYZ(67.9040, 60.6576, 84.4731)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(67.9040, 60.6576,
84.4731)**

Conversions

Conversions Part 1

Format	Color
Hex	EDBEE8
RGB	237, 190, 232
RGB Percent	93%, 75%, 91%
CMY	0.0706, 0.2549, 0.0902
CMYK	0.00, 0.20, 0.02, 0.07
HSL	306°, 57%, 84%
HSV	306°, 20%, 93%
XYZ	67.9040, 60.6576, 84.4731
YIQ	208.8410, 14.5300, 23.0260

Conversions

Conversions Part 2

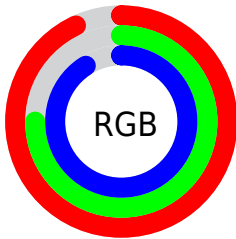
Format	Color
R_{YB}	237, 190, 232
Decimal	15580904
CIE _{Lab}	82.19, 23.73, -14.47
CIE _{LCh}	82, 27.795, 328.621
Yxy	60.6576, 0.3187, 0.2847
Android (android.graphics.Color)	4293770984 (0xFFEDBEE8)
YUV	208.8410, 11.4174, 24.6954
Hunter-Lab	77.8830, 19.3339, -9.7888

Details

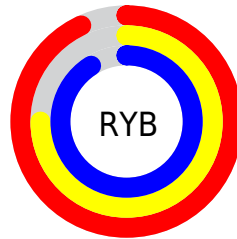
The XYZ color **67.9040, 60.6576, 84.4731** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **61.3721, 75.4575, 62.9632**, and the grayscale version is **60.4236, 63.5703, 69.2280**.

A 20% lighter version of the original color is **92.5508, 95.0015, 108.0669**, and **35.6967, 30.5667, 45.0928** is the 20% darker color. If you saturate the color by 10%, you get **62.8272, 51.0723, 81.0269**, and if you desaturate by 10%, it is **73.8242, 71.9196, 88.2272**.

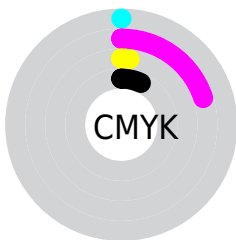
Distribution



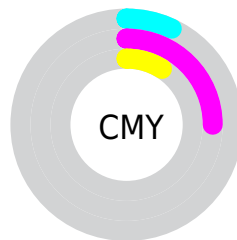
- Red (93%)
- Green (75%)
- Blue (91%)



- Red (93%)
- Yellow (75%)
- Blue (91%)



- Cyan (0%)
- Magenta (20%)
- Yellow (2%)
- Black (7%)



- Cyan (7%)
- Magenta (25%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.9040, 60.6576, 84.4731 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 67.9040, 60.6576, 84.4731 by changing the saturation by 10% instead.

67.9040, 60.6576,
84.4731

67.9040, 60.6576,
84.4731

442.5379,
427.0174, 529.9820

50.0930, 43.9489,
62.8585

115.2575,
105.7830, 141.5044

35.7054, 30.6303,
45.2865

145.5307,
134.9685, 177.7581

24.3758, 20.3175,
31.3385

180.6887,
169.0817, 219.7287

15.7389, 12.6261,
20.5961

221.0968,
208.5071, 267.8345

9.4292, 7.1716,
12.6408

267.1204,
253.6289, 322.4943

5.0815, 3.5696,
7.0538

319.1249,

2.3304, 1.4359,

304.8317, 384.1264

3.4168

377.4756,
362.4997, 453.1494

■ 0.8102, 0.2429,
1.3112

■ 0.0000, 0.0000,
0.0710

■ 67.9040, 60.6576,
84.4731

■ 67.9040, 60.6576,
84.4731

■ 62.8272, 51.0723,
81.0269

■ 73.8242, 71.9196,
88.2272

■ 58.5481, 43.0750,
77.8711

■ 80.6199, 84.9253,
92.2980

■ 55.0249, 36.5813,
74.9924

■ 86.3493, 95.7903,
96.0389

■ 52.2096, 31.4955,
72.3747

■ 86.7258, 95.9409,
98.0211

■ 50.0490, 27.7109,
70.0002

■ 87.1074, 96.0935,
100.0308

■ 48.4822, 25.1058,
67.8485

■ 87.4943, 96.2483,
102.0682

■ 47.4367, 23.5353,
65.8952

■ 87.8865, 96.4051,
104.1332

■ 46.7919, 22.7583,
64.1002

■ 88.2839, 96.5641,
106.2262

■ 46.7821, 22.7474,
64.0702

■ 88.6867, 96.7252,
108.3470

Harmonies

Analogous

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



63.2668, 60.6576, 98.9131



67.9040, 60.6576, 84.4731



69.7700, 60.6576, 66.8320

Triad

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



67.9040, 60.6576, 84.4731



57.9271, 60.6576, 38.5715



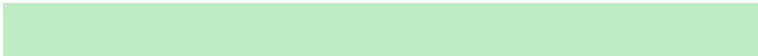
48.2465, 60.6576, 82.8850

Complementary

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



67.9040, 60.6576, 84.4731



61.3721, 75.4575, 62.9632

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.



47.0274, 60.6576, 65.2658



67.9040, 60.6576, 84.4731



52.3819, 60.6576, 41.4088

Square

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



67.9040, 60.6576, 84.4731



63.7720, 60.6576, 41.9851



48.4898, 60.6576, 50.5145



51.9389, 60.6576, 97.8915

Rectangle

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



67.9040, 60.6576, 84.4731



69.1007, 60.6576, 56.1943



48.4898, 60.6576, 50.5145



47.5455, 60.6576, 76.9863

Sweetspot

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



67.9058, 60.6603, 84.4744



90.1008, 90.5193, 105.9627



56.1304, 54.5066, 87.6844



19.1749, 19.1638, 22.6137



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.



67.9058, 60.6603, 84.4744



77.5065, 66.5623, 97.9675



64.8245, 59.4277, 68.2484



15.6417, 15.2845, 18.6646



25.5704, 12.4309, 35.1347



2.0277, 0.9841, 2.8634

Inverse Universe

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



67.9058, 60.6603, 84.4744



77.5065, 66.5623, 97.9675



64.2026, 76.5897, 77.8685



15.6417, 15.2845, 18.6646



25.5704, 12.4309, 35.1347



2.0277, 0.9841, 2.8634

Previews

White Background



This preview shows how the XYZ color 67.9040, 60.6576, 84.4731 looks on a white background.

Color Contrast Check

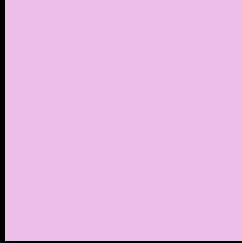
Large Text (above 18pt) WCAG AA × Fail

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 67.9040, 60.6576, 84.4731 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 67.9040, 60.6576, 84.4731

Background



This preview shows how black text looks on a background with the XYZ color 67.9040, 60.6576, 84.4731.



This preview shows how white text looks on a background with the XYZ color 67.9040, 60.6576,

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

67.9040, 60.6576, 84.4731

Protanopia

60.1101, 60.8735, 91.0197

Deuteranopia

62.1469, 60.7062, 83.3049



Tritanopia

64.7321, 60.6794, 68.6222

Trichromacy



Original Color

67.9040, 60.6576, 84.4731

Protanomaly

62.6315, 60.4996, 88.4973

Deuteranomaly

64.2879, 60.7790, 83.9445

Tritanomaly

65.8553, 60.8119, 73.9126

Monochromacy



Original Color

67.9040, 60.6576, 84.4731

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

62.8583, 62.3109, 74.3599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.9040, 60.6576, 84.4731 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, 190, 232)` looks like.

```
.text, #text, p{  
    color:rgb(237, 190, 232)  
}
```

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, 190, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 190, 232) }
```

Border

The CSS property to change the border of an element to XYZ 67.9040, 60.6576, 84.4731 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, 190, 232) }
```


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

```
.border{ border-color:rgb(237, 190, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 190, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 190, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 190, 232);  
box-shadow:4px 4px 4px 4px rgb(237, 190,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 67.9040, 60.6576, 84.4731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 190, 232) }
```

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

```
.background{ background-color: rgb(237,  
190, 232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor