

Converting Colors

XYZ(64.4376, 57.0003, 71.8183)

Have a look what the booklet for
XYZ(64.4376, 57.0003, 71.8183)
contains.

XYZ(64.4591, 56.9504, 71.8851)	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(64.4591, 56.9504,
71.8851)**

Conversions

Conversions Part 1

Format	Color
Hex	EEB7D7
RGB	238, 183, 215
RGB Percent	93%, 72%, 84%
CMY	0.0667, 0.2823, 0.1569
CMYK	0.00, 0.23, 0.10, 0.07
HSL	325°, 62%, 83%
HSV	325°, 23%, 93%
XYZ	64.4591, 56.9504, 71.8851
YIQ	203.0930, 22.5080, 21.6120

Conversions

Conversions Part 2

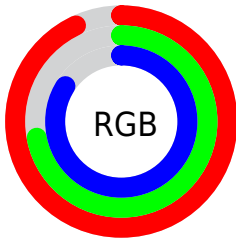
Format	Color
R _Y B	238, 183, 215
Decimal	15644631
CIE Lab	80.15, 24.84, -8.37
CIE LCh	80, 26.216, 341.379
Yxy	56.9504, 0.3335, 0.2946
Android (android.graphics.Color)	4293834711 (0xFFEEB7D7)
YUV	203.0930, 5.8702, 30.6134
Hunter-Lab	75.4655, 20.4018, -3.6512

Details

The XYZ color **64.4591, 56.9504, 71.8851** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **61.2458, 75.6741, 69.7746**, and the grayscale version is **56.7789, 59.7358, 65.0523**.

A 20% lighter version of the original color is **90.1565, 90.2130, 107.2688**, and **33.3839, 28.3271, 36.9659** is the 20% darker color. If you saturate the color by 10%, you get **58.7189, 47.4544, 63.8525**, and if you desaturate by 10%, it is **71.1104, 68.1426, 80.6067**.

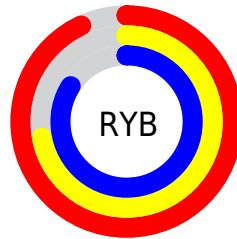
Distribution



Red (93%)

Green (72%)

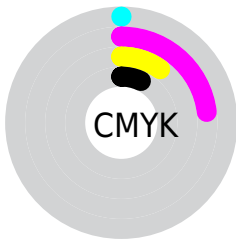
Blue (84%)



Red (93%)

Yellow (72%)

Blue (84%)

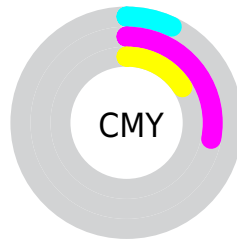


Cyan (0%)

Magenta (23%)

Yellow (10%)

Black (7%)



Cyan (7%)

Magenta (28%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4591, 56.9504, 71.8851 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 64.4591, 56.9504, 71.8851 by changing the saturation by 10% instead.

64.4591, 56.9504,
71.8851

64.4591, 56.9504,
71.8851

430.4217,
413.2634, 486.1084

47.2857, 40.9654,
52.5786

110.3419,
100.3928, 123.5994

33.4705, 28.2921,
37.0810

139.7820,
128.6190, 156.8442

22.6480, 18.5459,
24.9740

174.0417,
161.6945, 195.5721

14.4531, 11.3426,
15.8388

213.4863,
200.0035, 240.2018

8.5203, 6.2978,
9.2570

258.4813,
243.9305, 291.1517

4.4842, 3.0270,
4.8101

309.3919,

1.9795, 1.1458,

293.8599, 348.8404

2.0795

366.5836,
350.1761, 413.6865

■ 0.6224, 0.0168,
0.6035

■ 0.0000, 0.0000,
0.0000

■ 64.4591, 56.9504,
71.8851

■ 64.4591, 56.9504,
71.8851

■ 58.7189, 47.4544,
63.8525

■ 71.1104, 68.1426,
80.6067

■ 53.8418, 39.5630,
56.4841

■ 78.7081, 81.1016,
90.0336

■ 49.7827, 33.1875,
49.7587

■ 87.2913, 95.9030,
100.1860

■ 46.4902, 28.2273,
43.6519

■ 89.0405, 96.9054,
108.4636

■ 43.9067, 24.5698,
38.1371

■ 89.0702, 96.9173,
108.6202

■ 41.9659, 22.0847,
33.1846

■ 40.5876, 20.6144,
28.7599

■ 39.8815, 20.0258,
25.9852

Harmonies

Analogous

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



61.2077, 56.9504, 86.8064



64.4591, 56.9504, 71.8851



64.8371, 56.9504, 56.3844

Triad

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



64.4591, 56.9504, 71.8851



52.1282, 56.9504, 37.4093



46.7820, 56.9504, 83.5595

Complementary

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



64.4591, 56.9504, 71.8851



61.2458, 75.6741, 69.7746

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.



44.6711, 56.9504, 67.9964



64.4591, 56.9504, 71.8851



47.6194, 56.9504, 42.4509

Square

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



64.4591, 56.9504, 71.8851



57.4763, 56.9504, 38.1002



44.9672, 56.9504, 53.0822



50.9155, 56.9504, 94.2741

Rectangle

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



64.4591, 56.9504, 71.8851



63.3814, 56.9504, 47.9180



44.9672, 56.9504, 53.0822



45.8251, 56.9504, 78.6232

Sweetspot

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



64.4608, 56.9529, 71.8863



88.4388, 88.6637, 100.8816



57.7989, 53.1528, 88.1029



18.8132, 18.7791, 21.4490



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.



64.4608, 56.9529, 71.8863



71.9072, 60.8189, 79.2833



61.2277, 55.6597, 54.8611



16.1585, 15.9131, 18.3906



22.3156, 11.1987, 14.8445



1.9060, 0.9514, 1.4956

Inverse Universe

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



64.4608, 56.9529, 71.8863



71.9072, 60.8189, 79.2833



64.8724, 77.1247, 88.8717



16.1585, 15.9131, 18.3906



22.3156, 11.1987, 14.8445



1.9060, 0.9514, 1.4956

Previews

White Background



This preview shows how the XYZ color 64.4591, 56.9504, 71.8851 looks on a white background.

Color Contrast Check

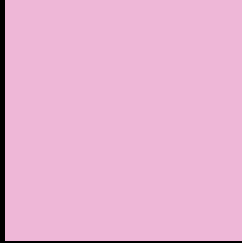
Large Text (above 18pt) WCAG AA × Fail

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 64.4591, 56.9504, 71.8851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

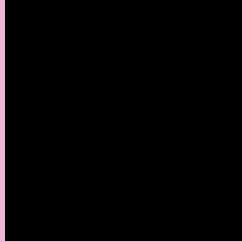
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.4591, 56.9504, 71.8851

Background



This preview shows how black text looks on a background with the XYZ color 64.4591, 56.9504, 71.8851.



This preview shows how white text looks on a background with the XYZ color 64.4591, 56.9504,

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

64.4591, 56.9504, 71.8851

Protanopia

56.1543, 57.3721, 78.6353

Deuteranopia

58.2316, 56.9411, 70.8724



Tritanopia

62.5763, 57.1208, 62.3709

Trichromacy



Original Color

64.4591, 56.9504, 71.8851

Protanomaly

58.9851, 57.2093, 76.3403

Deuteranomaly

60.1540, 56.6224, 71.3771

Tritanomaly

63.2935, 57.1102, 65.4451

Monochromacy



Original Color

64.4591, 56.9504, 71.8851

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

59.3213, 58.5838, 67.2127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4591, 56.9504, 71.8851 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(238, 183, 215)` looks like.

```
.text, #text, p{  
    color:rgb(238, 183, 215)  
}
```

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(238, 183, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 183, 215) }
```

Border

The CSS property to change the border of an element to XYZ 64.4591, 56.9504, 71.8851 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(238, 183, 215) }
```


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

```
.border{ border-color:rgb(238, 183, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 183, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 183, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 183, 215);  
box-shadow:4px 4px 4px 4px rgb(238, 183,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4591, 56.9504, 71.8851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 183, 215) }
```

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

```
.background{ background-color: rgb(238,  
183, 215) }
```

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