

Converting Colors

XYZ(66.2600, 56.7692, 80.8641)

Have a look what the booklet for
XYZ(66.2600, 56.7692, 80.8641)
contains.

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Color

**XYZ(66.2600, 56.7692,
80.8641)**

Conversions

Conversions Part 1

Format	Color
Hex	F0B4E4
RGB	240, 180, 228
RGB Percent	94%, 71%, 89%
CMY	0.0588, 0.2941, 0.1059
CMYK	0.00, 0.25, 0.05, 0.06
HSL	312°, 67%, 82%
HSV	312°, 25%, 94%
XYZ	66.2600, 56.7692, 80.8641
YIQ	203.4120, 20.3520, 27.6480

Conversions

Conversions Part 2

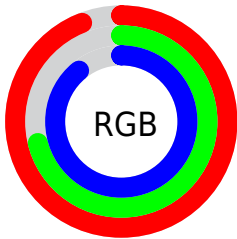
Format	Color
R _Y B	240, 180, 228
Decimal	15774948
CIE Lab	80.05, 29.34, -15.52
CIE LCh	80, 33.187, 332.127
Yxy	56.7692, 0.3250, 0.2784
Android (android.graphics.Color)	4293965028 (0xFFFF0B4E4)
YUV	203.4120, 12.1219, 32.0877
Hunter-Lab	75.3453, 25.1217, -10.8910

Details

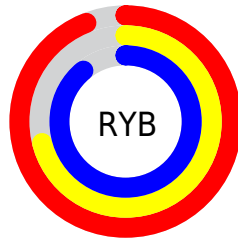
The XYZ color **66.2600, 56.7692, 80.8641** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **59.4992, 75.8309, 61.3733**, and the grayscale version is **56.9423, 59.9077, 65.2395**.

A 20% lighter version of the original color is **89.2855, 88.4709, 106.9785**, and **34.6606, 28.2632, 43.1637** is the 20% darker color. If you saturate the color by 10%, you get **61.1713, 47.6428, 75.9259**, and if you desaturate by 10%, it is **72.2094, 67.5857, 86.1817**.

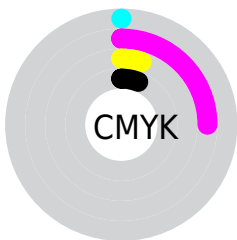
Distribution



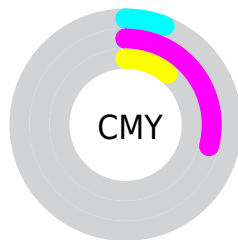
- Red (94%)
- Green (71%)
- Blue (89%)



- Red (94%)
- Yellow (71%)
- Blue (89%)



- Cyan (0%)
- Magenta (25%)
- Yellow (5%)
- Black (6%)



- Cyan (6%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 66.2600, 56.7692, 80.8641 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 66.2600, 56.7692, 80.8641 by changing the saturation by 10% instead.

66.2600, 56.7692,
80.8641

66.2600, 56.7692,
80.8641

436.7802,
412.5839, 517.6235

48.7520, 40.8200,
59.8993

112.9151,
100.1283, 136.4023

34.6365, 28.1784,
42.9127

142.7929,
128.3070, 171.8128

23.5482, 18.4602,
29.4858

177.5246,
161.3310, 212.8756

15.1217, 11.2809,
19.1999

217.4756,
199.5847, 260.0093

8.9917, 6.2561,
11.6365

263.0114,
243.4524, 313.6324

4.7929, 3.0014,
6.3772

314.4971,

2.1597, 1.1325,

293.3186, 374.1634

3.0033

372.2983,
349.5676, 442.0210

■ 0.7214, 0.0055,
1.0963

■ 0.0000, 0.0000,
0.0000

■ 66.2600, 56.7692,
80.8641

■ 66.2600, 56.7692,
80.8641

■ 61.1713, 47.6428,
75.9259

■ 72.2094, 67.5857,
86.1817

■ 56.8949, 40.1124,
71.3485

■ 79.0548, 80.1651,
91.8894

■ 53.3853, 34.0863,
67.1164

■ 86.8354, 94.5850,
98.0016

■ 50.5901, 29.4604,
63.2117

■ 88.5154, 96.7734,
102.1736

■ 48.4507, 26.1173,
59.6138

■ 89.2668, 97.0739,
106.1303

■ 46.8985, 23.9203,
56.2992

■ 89.7456, 97.2655,
108.6518

■ 45.8495, 22.7015,
53.2392

■ 45.4497, 22.3311,
51.7825

Harmonies

Analogous

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



61.1564, 56.7692, 98.9267



66.2600, 56.7692, 80.8641



67.9909, 56.7692, 60.4428

Triad

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



66.2600, 56.7692, 80.8641



53.4772, 56.7692, 31.6163



43.6977, 56.7692, 83.7559

Complementary

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



66.2600, 56.7692, 80.8641



59.4992, 75.8309, 61.3733

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.



42.0015, 56.7692, 63.2018



66.2600, 56.7692, 80.8641



47.3468, 56.7692, 35.3797

Square

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



66.2600, 56.7692, 80.8641



60.2539, 56.7692, 34.4372



43.2805, 56.7692, 46.0154



48.1156, 56.7692, 100.8261

Rectangle

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



66.2600, 56.7692, 80.8641



66.8923, 56.7692, 48.8443



43.2805, 56.7692, 46.0154



42.8077, 56.7692, 76.8929

Sweetspot

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



66.2617, 56.7717, 80.8653



89.0481, 88.9074, 104.0899



53.7901, 50.1432, 89.2826



18.9545, 18.8356, 22.1930



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.



66.2617, 56.7717, 80.8653



72.9435, 59.5735, 89.8580



62.4515, 55.2476, 60.8009



16.3109, 15.9741, 19.1932



24.9283, 12.2437, 28.6027



2.1078, 1.0322, 2.5586

Inverse Universe

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



66.2617, 56.7717, 80.8653



72.9435, 59.5735, 89.8580



63.1693, 77.2989, 80.6998



16.3109, 15.9741, 19.1932



24.9283, 12.2437, 28.6027



2.1078, 1.0322, 2.5586

Previews

White Background



This preview shows how the XYZ color 66.2600, 56.7692, 80.8641 looks on a white background.

Color Contrast Check

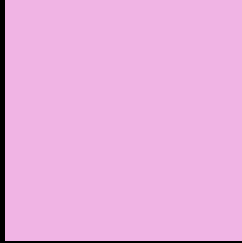
Large Text (above 18pt) WCAG AA × Fail

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 66.2600, 56.7692, 80.8641 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

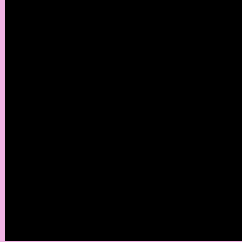
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 66.2600, 56.7692, 80.8641

Background



This preview shows how black text looks on a background with the XYZ color 66.2600, 56.7692, 80.8641.



This preview shows how white text looks on a background with the XYZ color 66.2600, 56.7692,

80.8641.

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

66.2600, 56.7692, 80.8641

Protanopia

56.7814, 57.1116, 89.6923

Deuteranopia

58.3360, 57.1416, 79.1890



Tritanopia

62.2498, 56.6543, 61.6873

Trichromacy



Original Color

66.2600, 56.7692, 80.8641



Protanomaly

59.6386, 56.6697, 86.3923



Deuteranomaly

60.8385, 56.7916, 79.7068



Tritanomaly

63.4914, 56.5246, 68.5368

Monochromacy



Original Color

66.2600, 56.7692, 80.8641



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

59.7177, 58.3826, 70.4089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 66.2600, 56.7692, 80.8641 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(240, 180, 228)` looks like.

```
.text, #text, p{  
    color:rgb(240, 180, 228)  
}
```

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(240, 180, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 180, 228) }
```

Border

The CSS property to change the border of an element to XYZ 66.2600, 56.7692, 80.8641 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(240, 180, 228) }
```


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

```
.border{ border-color:rgb(240, 180, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 180, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 180, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 180, 228);  
box-shadow:4px 4px 4px 4px rgb(240, 180,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 66.2600, 56.7692, 80.8641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 180, 228) }
```

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

```
.background{ background-color: rgb(240,  
180, 228) }
```

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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