

# Converting Colors

XYZ(66.6303, 55.7625, 81.3802)

Have a look what the booklet for  
XYZ(66.6303, 55.7625, 81.3802)  
contains.

<b>XYZ(66.6303, 55.7625, 81.3802)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(66.6303, 55.7625,  
81.3802)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F3B0E5
RGB	243, 176, 229
RGB Percent	95%, 69%, 90%
CMY	0.0471, 0.3098, 0.1020
CMYK	0.00, 0.28, 0.06, 0.05
HSL	313°, 74%, 82%
HSV	313°, 28%, 95%
XYZ	66.6303, 55.7625, 81.3802
YIQ	202.0750, 22.9190, 30.6870

# Conversions

## Conversions Part 2

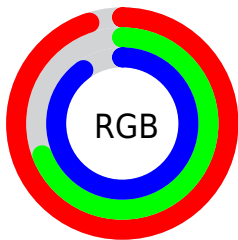
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	243, 176, 229
Decimal	15970533
CIE Lab	79.48, 32.62, -16.88
CIE LCh	79, 36.734, 332.636
Yxy	55.7625, 0.3270, 0.2737
Android (android.graphics.Color)	4294160613 (0xFFFF3B0E5)
YUV	202.0750, 13.2740, 35.8912
Hunter-Lab	74.6743, 28.5918, -12.3424

# Details

The XYZ color **66.6303, 55.7625, 81.3802** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **59.2516, 77.0506, 60.4678**, and the grayscale version is **56.0970, 59.0185, 64.2711**.

A 20% lighter version of the original color is **88.1466, 86.1932, 106.5989**, and **34.8755, 27.6222, 43.0286** is the 20% darker color. If you saturate the color by 10%, you get **61.5872, 46.7935, 76.2524**, and if you desaturate by 10%, it is **72.5504, 66.4503, 86.9039**.

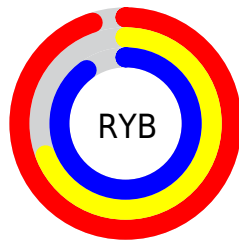
# Distribution



Red (95%)

Green (69%)

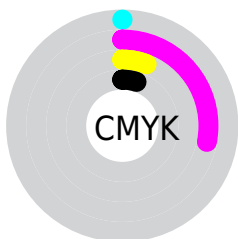
Blue (90%)



Red (95%)

Yellow (69%)

Blue (90%)

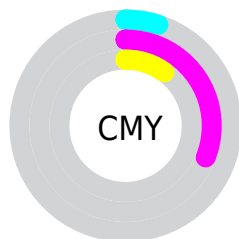


Cyan (0%)

Magenta (28%)

Yellow (6%)

Black (5%)



Cyan (5%)

Magenta (31%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 66.6303, 55.7625, 81.3802 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 66.6303, 55.7625, 81.3802 by changing the saturation by 10% instead.



66.6303, 55.7625,  
81.3802

66.6303, 55.7625,  
81.3802

438.0809,  
408.7958, 519.4010

49.0538, 40.0125,  
60.3219

113.4432, 98.6572,  
137.1334

34.8769, 27.5483,  
43.2512

143.4104,  
126.5708, 172.6653

23.7341, 17.9855,  
29.7494

178.2385,  
159.3077, 213.8590

15.2602, 10.9395,  
19.3980

218.2930,  
197.2523, 261.1328

9.0897, 6.0262,  
11.7785

263.9391,  
240.7890, 314.9054

4.8573, 2.8610,  
6.4723

315.5422,

2.1977, 1.0596,

290.3023, 375.5953

3.0610

373.4677,  
346.1764, 443.6210

0.7415, 0.0000,  
1.1258

0.0000, 0.0000,  
0.0000

66.6303, 55.7625,  
81.3802

66.6303, 55.7625,  
81.3802

61.5872, 46.7935,  
76.2524

72.5504, 66.4503,  
86.9039

57.3702, 39.4449,  
71.5009

79.3845, 78.9338,  
92.8348

53.9311, 33.6195,  
67.1092

87.1740, 93.2941,  
99.1882

51.2146, 29.2069,  
63.0582

89.8703, 97.4340,  
103.9487

■ 49.1578, 26.0815,  
59.3259

■ 90.6746, 97.7557,  
108.1843

■ 47.6867, 24.0957,  
55.8867

■ 90.7725, 97.7949,  
108.6998

■ 46.7031, 23.0537,  
52.7070

■ 46.5015, 22.8705,  
51.9613

# Harmonies

## Analogous

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



61.0288, 55.7625, 101.7791



66.6303, 55.7625, 81.3802



68.4795, 55.7625, 58.8659

# Triad

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



66.6303, 55.7625, 81.3802



52.3506, 55.7625, 28.4915



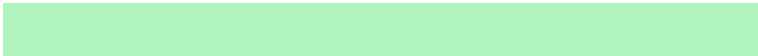
41.9249, 55.7625, 85.3796

# Complementary

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



66.6303, 55.7625, 81.3802



59.2516, 77.0506, 60.4678

# 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.



40.0499, 55.7625, 62.6043



66.6303, 55.7625, 81.3802



45.7093, 55.7625, 32.5167

# Square

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



66.6303, 55.7625, 81.3802



59.7953, 55.7625, 31.2996



41.3691, 55.7625, 43.8840



46.7411, 55.7625, 104.4395



# Rectangle

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



66.6303, 55.7625, 81.3802



67.2084, 55.7625, 46.3776



41.3691, 55.7625, 43.8840



40.9511, 55.7625, 77.7411

# Sweetspot

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



66.6320, 55.7650, 81.3814



88.2051, 87.3963, 103.2699



52.7911, 48.3947, 91.3536



18.6205, 18.2315, 21.8847



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.



66.6320, 55.7650, 81.3814



71.1214, 56.4679, 87.5901



62.4647, 54.0981, 59.4365



17.0566, 16.7055, 20.0446



25.5723, 12.5724, 28.7857



2.2839, 1.1195, 2.7214



# Inverse Universe

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



66.6320, 55.7650, 81.3814



71.1214, 56.4679, 87.5901



63.2628, 78.6551, 81.5908



17.0566, 16.7055, 20.0446



25.5723, 12.5724, 28.7857

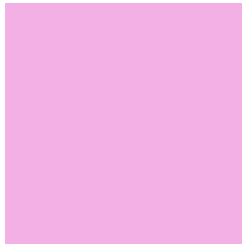


2.2839, 1.1195, 2.7214



# Previews

## White Background



This preview shows how the XYZ color 66.6303, 55.7625, 81.3802 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

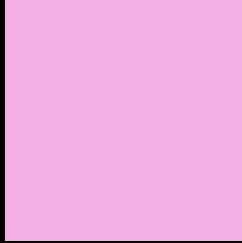
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 66.6303, 55.7625, 81.3802 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

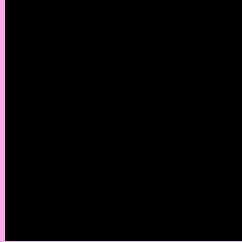
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 66.6303, 55.7625, 81.3802

## Background



This preview shows how black text looks on a background with the XYZ color 66.6303, 55.7625, 81.3802.



This preview shows how white text looks on a background with the XYZ color 66.6303, 55.7625,



# 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

66.6303, 55.7625, 81.3802

### Protanopia

56.0356, 56.0058, 91.8612

### Deuteranopia

57.2057, 55.8868, 79.7237



## Tritanopia

62.2884, 55.7921, 59.7106

# Trichromacy



## Original Color

66.6303, 55.7625, 81.3802



## Protanomaly

59.0014, 55.3463, 87.6940



## Deuteranomaly

60.3375, 55.5693, 80.2189



## Tritanomaly

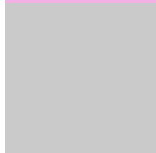
63.6416, 55.7218, 67.0756

# Monochromacy



## Original Color

66.6303, 55.7625, 81.3802



## Achromatopsia

56.1383, 59.0619, 64.3184



## Achromatomaly

59.5689, 57.6451, 70.2744

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 66.6303, 55.7625, 81.3802 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(243, 176, 229)` looks like.

```
.text, #text, p{  
    color:rgb(243, 176, 229)  
}
```

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(243, 176, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 176, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 66.6303, 55.7625, 81.3802 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(243, 176, 229) }
```



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

```
.border{ border-color:rgb(243, 176, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 176, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 176, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 176, 229);  
box-shadow:4px 4px 4px 4px rgb(243, 176,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 66.6303, 55.7625, 81.3802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 176, 229) }
```

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

```
.background{ background-color: rgb(243,  
176, 229) }
```

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