

# Converting Colors

XYZ(64.2245, 52.1562, 81.2809)

Have a look what the booklet for  
XYZ(64.2245, 52.1562, 81.2809)  
contains.

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# **Color**

**XYZ(64.2207, 52.2437,  
81.5622)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0A8E6
RGB	240, 168, 230
RGB Percent	94%, 66%, 90%
CMY	0.0588, 0.3412, 0.0980
CMYK	0.00, 0.30, 0.04, 0.06
HSL	308°, 71%, 80%
HSV	308°, 30%, 94%
XYZ	64.2207, 52.2437, 81.5622
YIQ	196.5960, 23.0100, 34.5460

# Conversions

## Conversions Part 2

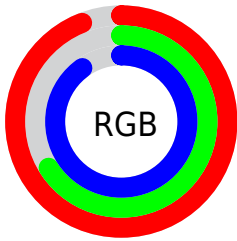
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 168, 230
Decimal	15771878
CIE Lab	77.43, 36.05, -20.56
CIE LCh	77, 41.499, 330.305
Yxy	52.2437, 0.3243, 0.2638
Android (android.graphics.Color)	4293961958 (0xFFFF0A8E6)
YUV	196.5960, 16.4682, 38.0653
Hunter-Lab	72.2798, 32.1078, -16.3083

# Details

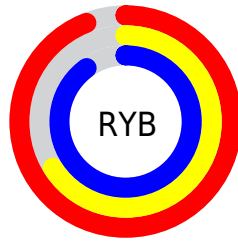
The XYZ color **64.2207, 52.2437, 81.5622** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.3465, 73.8609, 53.4620**, and the grayscale version is **52.7231, 55.4688, 60.4055**.

A 20% lighter version of the original color is **85.9457, 81.7913, 105.8652**, and **33.2992, 25.3847, 43.1891** is the 20% darker color. If you saturate the color by 10%, you get **59.7289, 44.0013, 77.7777**, and if you desaturate by 10%, it is **69.5423, 62.1296, 85.6686**.

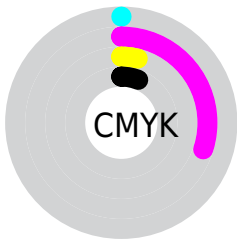
# Distribution



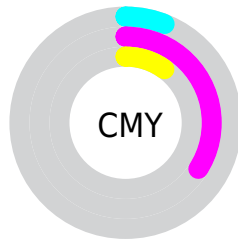
- Red (94%)
- Green (66%)
- Blue (90%)



- Red (94%)
- Yellow (66%)
- Blue (90%)



- Cyan (0%)
- Magenta (30%)
- Yellow (4%)
- Black (6%)




- Cyan (6%)
- Magenta (34%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2207, 52.2437, 81.5622 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 64.2207, 52.2437, 81.5622 by changing the saturation by 10% instead.




 64.2207, 52.2437,  
81.5622


 64.2207, 52.2437,  
81.5622


429.5758,  
395.3767, 520.0270

 47.0918, 37.1994,  
60.4710

 110.0007, 93.4905,  
137.3911

 33.3165, 25.3619,  
43.3706

 139.3825,  
120.4618, 172.9658

 22.5294, 16.3469,  
29.8425


173.5793,  
152.1776, 214.2055

 14.3652, 9.7699,  
19.4680

212.9564,  
189.0222, 261.5287

 8.4585, 5.2467,  
11.8287

257.8793,  
231.3800, 315.3539

 4.4440, 2.3927,  
6.5060

308.7132,

 1.9562, 0.8221,

279.6354, 376.0997

3.0814

365.8236,  
334.1728, 444.1845

■ 0.6092, 0.0000,  
1.1364

■ 0.0000, 0.0000,  
0.0000

■ 64.2207, 52.2437,  
81.5622

■ 64.2207, 52.2437,  
81.5622

■ 59.7289, 44.0013,  
77.7777

■ 69.5423, 62.1296,  
85.6686

■ 56.0170, 37.3054,  
74.2965

■ 75.7306, 73.7352,  
90.1078

■ 53.0372, 32.0595,  
71.1031

■ 82.8259, 87.1405,  
94.8939

■ 50.7343, 28.1533,  
68.1787

■ 87.9240, 96.5368,  
99.0592

■ 49.0453, 25.4608,  
65.5022

■ 88.4330, 96.7405,  
101.7400

■ 47.8951, 23.8321,  
63.0482

■ 88.9513, 96.9478,  
104.4692

■ 47.1573, 23.0142,  
60.7743

■ 89.4788, 97.1588,  
107.2470

■ 47.1572, 23.0141,  
60.7739

■ 89.7456, 97.2655,  
108.6518

# Harmonies

## Analogous

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



57.8121, 52.2437, 103.9106



64.2207, 52.2437, 81.5622



66.6435, 52.2437, 56.6511

# Triad

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



64.2207, 52.2437, 81.5622



49.5745, 52.2437, 23.2737



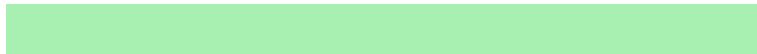
37.5466, 52.2437, 82.0781

# Complementary

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



64.2207, 52.2437, 81.5622



55.3465, 73.8609, 53.4620

# 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.



35.8325, 52.2437, 57.1186



64.2207, 52.2437, 81.5622



42.3056, 52.2437, 26.7438

# Square

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



64.2207, 52.2437, 81.5622



57.6558, 52.2437, 26.6027



37.4789, 52.2437, 37.7661



42.4328, 52.2437, 104.2603



# Rectangle

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



64.2207, 52.2437, 81.5622



65.4898, 52.2437, 42.9514



37.4789, 52.2437, 37.7661



36.6053, 52.2437, 73.5455

# Sweetspot

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



64.2223, 52.2460, 81.5633



87.6516, 86.0178, 103.9229



48.0016, 43.7170, 88.3472



18.5224, 17.9619, 22.0782



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.



64.2223, 52.2460, 81.5633



70.4372, 53.9513, 90.9019



59.7223, 50.4460, 57.8665



16.3543, 15.9914, 19.4220



25.8515, 12.6130, 33.4641



2.1764, 1.0596, 2.9195



# Inverse Universe

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



64.2223, 52.2460, 81.5633



70.4372, 53.9513, 90.9019



59.3970, 75.4811, 74.7914



16.3543, 15.9914, 19.4220



25.8515, 12.6130, 33.4641



2.1764, 1.0596, 2.9195



# Previews

## White Background



This preview shows how the XYZ color 64.2207, 52.2437, 81.5622 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

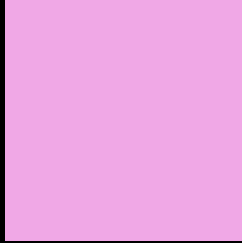
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.2207, 52.2437, 81.5622 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 64.2207, 52.2437, 81.5622**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.2207, 52.2437, 81.5622.



This preview shows how white text looks on a background with the XYZ color 64.2207, 52.2437,

81.5622.

# 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

64.2207, 52.2437, 81.5622

### Protanopia

53.0263, 52.7666, 93.7764

### Deuteranopia

53.4901, 52.3691, 79.2405



## Tritanopia

58.9716, 52.3870, 55.1477

# Trichromacy



## Original Color

64.2207, 52.2437, 81.5622



## Protanomaly

56.2755, 52.0265, 89.5142



## Deuteranomaly

56.7647, 51.8902, 79.6970



## Tritanomaly

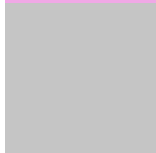
60.7677, 52.2513, 64.0094

# Monochromacy



## Original Color

64.2207, 52.2437, 81.5622



## Achromatopsia

53.0703, 55.8340, 60.8033



## Achromatomaly

56.5081, 53.8674, 67.7407

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.2207, 52.2437, 81.5622 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, 168, 230)` looks like.

```
.text, #text, p{  
    color:rgb(240, 168, 230)  
}
```

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, 168, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 168, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 64.2207, 52.2437, 81.5622 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, 168, 230) }
```



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

```
.border{ border-color:rgb(240, 168, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 168, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 168, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 168, 230);  
box-shadow:4px 4px 4px 4px rgb(240, 168,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.2207, 52.2437, 81.5622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 168, 230) }
```

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

```
.background{ background-color: rgb(240,  
168, 230) }
```

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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