

# Converting Colors

XYZ(50.7226, 31.6044, 65.3715)

Have a look what the booklet for  
XYZ(50.7226, 31.6044, 65.3715)  
contains.

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# Color

**XYZ(50.5760, 31.4797,  
65.0385)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EB64D3
RGB	235, 100, 211
RGB Percent	92%, 39%, 83%
CMY	0.0784, 0.6078, 0.1725
CMYK	0.00, 0.57, 0.10, 0.08
HSL	311°, 77%, 66%
HSV	311°, 57%, 92%
XYZ	50.5760, 31.4797, 65.0385
YIQ	153.0190, 44.8290, 63.1410

# Conversions

## Conversions Part 2

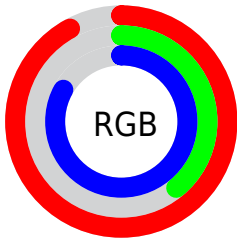
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	235, 100, 211
Decimal	15426771
CIE Lab	62.91, 65.04, -32.38
CIE LCh	63, 72.656, 333.532
Yxy	31.4797, 0.3438, 0.2140
Android (android.graphics.Color)	4293616851 (0xFFEB64D3)
YUV	153.0190, 28.5846, 71.8973
Hunter-Lab	56.1068, 62.7174, -29.4537

# Details

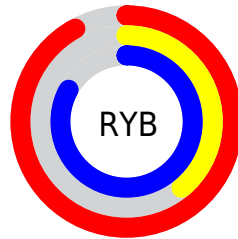
The XYZ color **50.5760, 31.4797, 65.0385** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **38.6035, 63.5824, 29.3093**, and the grayscale version is **30.1538, 31.7241, 34.5476**.

A 20% lighter version of the original color is **71.3470, 52.5939, 100.9990**, and **24.6308, 13.0814, 32.6793** is the 20% darker color. If you saturate the color by 10%, you get **48.1216, 27.3977, 61.6697**, and if you desaturate by 10%, it is **53.6960, 36.8699, 68.6969**.

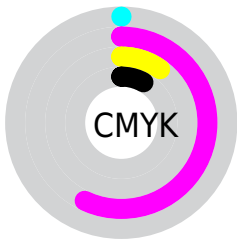
# Distribution



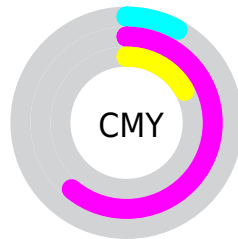
- Red (92%)
- Green (39%)
- Blue (83%)



- Red (92%)
- Yellow (39%)
- Blue (83%)



- Cyan (0%)
- Magenta (57%)
- Yellow (10%)
- Black (8%)




- Cyan (8%)
- Magenta (61%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.5760, 31.4797, 65.0385 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 50.5760, 31.4797, 65.0385 by changing the saturation by 10% instead.





 50.5760, 31.4797,  
65.0385


 50.5760, 31.4797,  
65.0385

379.3291,  
308.7422, 461.2403


 36.0910, 20.9644,  
47.0408


 90.2144, 61.9945,  
113.7190


 24.6749, 13.0980,  
32.7133


 116.0986, 82.7628,  
145.2389

 15.9624, 7.4961,  
21.6376


 146.5131,  
107.7176, 182.1032

 9.5883, 3.7742,  
13.3951

 181.8233,  
137.2433, 224.7305

 5.1870, 1.5481,  
7.5672

222.3947,  
171.7241, 273.5393

 2.3933, 0.3222,  
3.7355

268.5926,

 0.8418, 0.0000,

211.5447, 328.9482

1.4814

320.7822,  
257.0892, 391.3757

■ 0.0000, 0.0000,  
0.2040

■ 0.0000, 0.0000,  
0.0000

■ 50.5760, 31.4797,  
65.0385

■ 50.5760, 31.4797,  
65.0385

■ 48.1216, 27.3977,  
61.6697

■ 53.6960, 36.8699,  
68.6969

■ 46.2718, 24.5040,  
58.5689


■ 57.5293, 43.6653,  
72.6604


■ 44.9601, 22.6649,  
55.7136


■ 62.1228, 51.9590,  
76.9455


■ 44.0965, 21.7007,  
53.0733


■ 67.5184, 61.8347,  
81.5666


 43.9115, 21.5224,  
52.4209

 73.7551, 73.3701,  
86.5372

 80.8692, 86.6375,  
91.8698

 85.7862, 95.4883,  
96.5402

 86.4150, 95.7398,  
99.8518

 87.0583, 95.9971,  
103.2391

# Harmonies

## Analogous

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



41.8111, 31.4797, 103.4505



50.5760, 31.4797, 65.0385



53.4283, 31.4797, 31.0035

# Triad

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



50.5760, 31.4797, 65.0385



28.7549, 31.4797, 3.4907



16.6145, 31.4797, 74.4379

# Complementary

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



50.5760, 31.4797, 65.0385



38.6035, 63.5824, 29.3093

# 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.



14.5732, 31.4797, 37.7711



50.5760, 31.4797, 65.0385



20.5295, 31.4797, 5.8548

# Square

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



50.5760, 31.4797, 65.0385



39.3059, 31.4797, 4.8739



15.8293, 31.4797, 15.1644



22.1624, 31.4797, 110.6769



# Rectangle

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



50.5760, 31.4797, 65.0385



51.1676, 31.4797, 16.6941



15.8293, 31.4797, 15.1644



15.5592, 31.4797, 61.2070

# Sweetspot

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



50.5771, 31.4812, 65.0391



81.5298, 74.9057, 98.3940



27.6513, 19.2885, 80.8637



17.1515, 15.4825, 20.8123



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.



50.5771, 31.4812, 65.0391



57.4559, 32.2257, 73.5126



43.9303, 28.8225, 30.0380



15.5932, 15.2651, 18.4091



24.4815, 11.9953, 29.4007



1.9525, 0.9539, 2.4670



# Inverse Universe

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



50.5771, 31.4812, 65.0391



57.4559, 32.2257, 73.5126



44.2595, 65.8448, 59.0935



15.5932, 15.2651, 18.4091



24.4815, 11.9953, 29.4007



1.9525, 0.9539, 2.4670



# Previews

## White Background



This preview shows how the XYZ color 50.5760, 31.4797, 65.0385 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

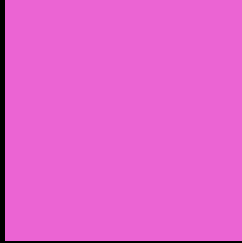
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.5760, 31.4797, 65.0385 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

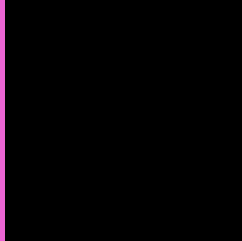
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 50.5760, 31.4797, 65.0385**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.5760, 31.4797, 65.0385.



This preview shows how white text looks on a background with the XYZ color 50.5760, 31.4797,



# 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

50.5760, 31.4797, 65.0385

### Protanopia

34.8737, 31.9027, 96.4153

### Deuteranopia

32.5011, 31.6999, 60.9056



## Tritanopia

42.1639, 31.4285, 24.6129

# Trichromacy



## Original Color

50.5760, 31.4797, 65.0385



## Protanomaly

37.1127, 29.4149, 83.8424



## Deuteranomaly

37.0710, 30.0727, 62.2433



## Tritanomaly

44.4762, 30.9715, 36.4348

# Monochromacy



## Original Color

50.5760, 31.4797, 65.0385



## Achromatopsia

30.2779, 31.8547, 34.6897



## Achromatomaly

35.6935, 30.1735, 43.9872

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.5760, 31.4797, 65.0385 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(235, 100, 211)` looks like.

```
.text, #text, p{  
    color:rgb(235, 100, 211)  
}
```

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(235, 100, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 100, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 50.5760, 31.4797, 65.0385 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".

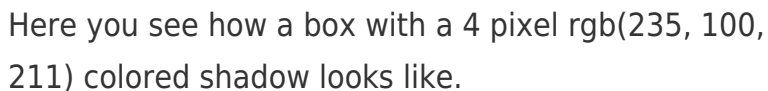
```
.border, #border, table{ border:4px solid rgb(235, 100, 211) }
```



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

```
.border{ border-color:rgb(235, 100, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(235, 100, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 100, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 100, 211); box-shadow:4px 4px 4px 4px rgb(235, 100, 211) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.5760, 31.4797, 65.0385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 100, 211) }
```

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

```
.background{ background-color: rgb(235,  
100, 211) }
```

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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