

Converting Colors

XYZ(37.8347, 18.1023, 65.1215)

Have a look what the booklet for
XYZ(37.8347, 18.1023, 65.1215)
contains.

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Color

**XYZ(37.8697, 18.1204,
65.1200)**

Conversions

Conversions Part 1

Format	Color
Hex	CF00D6
RGB	207, 0, 214
RGB Percent	81%, 0%, 84%
CMY	0.1882, 0.9999, 0.1608
CMYK	0.03, 1.00, 0.00, 0.16
HSL	298°, 100%, 42%
HSV	298°, 100%, 84%
XYZ	37.8697, 18.1204, 65.1200
YIQ	86.2890, 54.6780, 110.4380

Conversions

Conversions Part 2

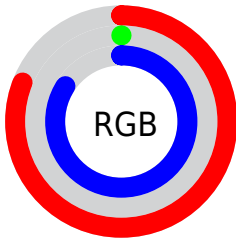
Format	Color
R_{YB}	207, 0, 214
Decimal	13566166
CIE Lab	49.64, 84.98, -55.33
CIE LCh	50, 101.407, 326.933
Yxy	18.1204, 0.3127, 0.1496
Android (android.graphics.Color)	4291756246 (0xFFCF00D6)
YUV	86.2890, 62.9615, 105.8635
Hunter-Lab	42.5681, 84.3043, -60.9033

Details

The XYZ color **37.8697, 18.1204, 65.1200** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **24.1347, 48.1387, 8.0204**, and the grayscale version is **8.7723, 9.2292, 10.0506**.

A 20% lighter version of the original color is **63.2927, 36.4854, 98.3142**, and **18.2042, 8.6717, 33.0621** is the 20% darker color. If you saturate the color by 10%, you get **37.8700, 18.1206, 65.1203**, and if you desaturate by 10%, it is **38.3423, 18.7738, 65.2215**.

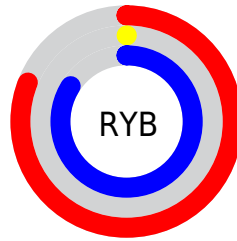
Distribution



Red (81%)

Green (0%)

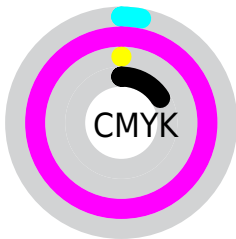
Blue (84%)



Red (81%)

Yellow (0%)

Blue (84%)

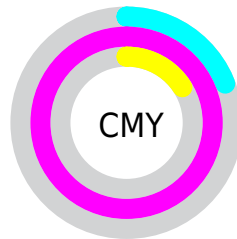


Cyan (3%)

Magenta (100%)

Yellow (0%)

Black (16%)



Cyan (19%)


Magenta (100%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8697, 18.1204, 65.1200 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 37.8697, 18.1204, 65.1200 by changing the saturation by 10% instead.

 37.8697, 18.1204,
65.1200


 37.8697, 18.1204,
65.1200

328.3512,
241.5488, 461.5411


 26.0583, 11.0365,
47.1064


 71.2136, 40.2424,
113.8373


 17.0002, 6.0914,
32.7648


 93.4768, 56.0492,
145.3781


 10.3299, 2.9007,
21.6767


 119.9546, 75.5325,
182.2650

 5.6822, 1.0801,
13.4235

 151.0125, 99.0765,
224.9167

 2.6916, 0.0000,
7.5867

 187.0157,
127.0658, 273.7516

 0.9929, 0.0000,
3.7477

 228.3297,

 0.0000, 0.0000,

159.8847, 329.1883

1.4880

275.3197,
197.9175, 391.6452

■ 0.0000, 0.0000,
0.2089

■ 0.0000, 0.0000,
0.0000

■ 37.8697, 18.1204,
65.1200

■ 37.8697, 18.1204,
65.1200

■ 37.8700, 18.1206,
65.1203

■ 38.3423, 18.7738,
65.2215

■ 39.1206, 20.0383,
65.4245

■ 40.3070, 22.1175,
65.7633

■ 41.9575, 25.1235,
66.2565

■ 44.1194, 29.1512,
66.9200

■ 46.8342, 34.2834,
67.7675

■ 50.1392, 40.5946,
68.8115

■ 54.0683, 48.1529,
70.0633

■ 58.6531, 57.0210,
71.5334

Harmonies

Analogous

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



27.0460, 18.1204, 114.8420



37.8697, 18.1204, 65.1200



43.1224, 18.1204, 22.7062

Triad

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



37.8697, 18.1204, 65.1200



18.2330, 18.1204, 0.0000



5.4266, 18.1204, 54.8199

Complementary

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



37.8697, 18.1204, 65.1200



24.1347, 48.1387, 8.0204

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.



4.5596, 18.1204, 17.0260



37.8697, 18.1204, 65.1200



10.1231, 18.1204, 0.0000

Square

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



37.8697, 18.1204, 65.1200



29.4317, 18.1204, 0.0425



5.8985, 18.1204, 2.6344



8.9659, 18.1204, 105.9016

Rectangle

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



37.8697, 18.1204, 65.1200



41.7068, 18.1204, 7.9640



5.8985, 18.1204, 2.6344



4.8872, 18.1204, 39.5579

Sweetspot

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



37.8705, 18.1212, 65.1204



74.3955, 60.0486, 102.2772



12.2157, 5.0106, 63.9419



15.4546, 11.9553, 21.7430



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.



37.8705, 18.1212, 65.1204



56.2877, 26.9322, 96.8395



30.7775, 15.5150, 17.3356



12.9110, 12.6110, 15.6912



22.9079, 10.9620, 39.3616



1.3946, 0.6678, 2.3747

Inverse Universe

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



27.7704, 14.3122, 1.5006



41.2857, 21.2783, 2.1706



26.3415, 49.0113, 20.0981



12.4396, 12.4273, 12.9890



16.7925, 8.6533, 0.9457



1.0188, 0.5243, 0.0882

Previews

White Background



This preview shows how the XYZ color 37.8697, 18.1204, 65.1200 looks on a white background.

Color Contrast Check

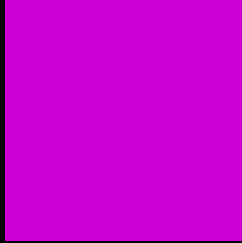
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 37.8697, 18.1204, 65.1200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

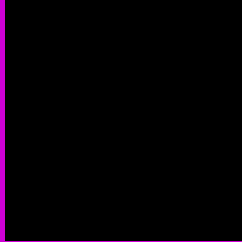
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.8697, 18.1204, 65.1200

Background



This preview shows how black text looks on a background with the XYZ color 37.8697, 18.1204, 65.1200.



This preview shows how white text looks on a background with the XYZ color 37.8697, 18.1204,

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

37.8697, 18.1204, 65.1200

Protanopia

22.5745, 19.0224, 88.0698

Deuteranopia

19.4299, 18.9486, 57.8917



Tritanopia

27.0081, 18.4163, 11.8041

Trichromacy



Original Color

37.8697, 18.1204, 65.1200



Protanomaly

20.0584, 12.2766, 78.4032



Deuteranomaly

20.8647, 13.4088, 59.8810



Tritanomaly

28.9350, 16.3012, 24.5431

Monochromacy



Original Color

37.8697, 18.1204, 65.1200



Achromatopsia

8.8453, 9.3059, 10.1341



Achromatomaly

14.8057, 9.1717, 23.1803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8697, 18.1204, 65.1200 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(207, 0, 214)` looks like.

```
.text, #text, p{  
    color:rgb(207, 0, 214)  
}
```

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(207, 0, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 0, 214) }
```

Border

The CSS property to change the border of an element to XYZ 37.8697, 18.1204, 65.1200 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(207, 0, 214) }
```


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

```
.border{ border-color:rgb(207, 0, 214) }
```

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

Here you see how a box with a 4 pixel rgb(207, 0, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 0, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 0, 214);  
box-shadow:4px 4px 4px 4px rgb(207, 0,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8697, 18.1204, 65.1200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 0, 214) }
```

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

```
.background{ background-color: rgb(207, 0,  
214) }
```

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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