

Converting Colors

XYZ(13.7648, 5.8369, 57.5279)

Have a look what the booklet for
XYZ(13.7648, 5.8369, 57.5279)
contains.

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Color

**XYZ(13.8007, 5.8555,
57.5296)**

Conversions

Conversions Part 1

Format	Color
Hex	4B00CC
RGB	75, 0, 204
RGB Percent	29%, 0%, 80%
CMY	0.7059, 1.0000, 0.2000
CMYK	0.63, 1.00, 0.00, 0.20
HSL	262°, 100%, 40%
HSV	262°, 100%, 80%
XYZ	13.8007, 5.8555, 57.5296
YIQ	45.6810, -20.7840, 79.3440

Conversions

Conversions Part 2

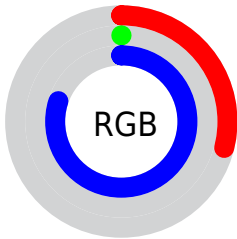
Format	Color
R _Y B	75, 0, 204
Decimal	4915404
CIE Lab	29.04, 68.64, -84.02
CIE LCh	29, 108.496, 309.246
Yxy	5.8555, 0.1788, 0.0759
Android (android.graphics.Color)	4283105484 (0xFF4B00CC)
YUV	45.6810, 78.0513, 25.7128
Hunter-Lab	24.1981, 59.4555, -124.0197

Details

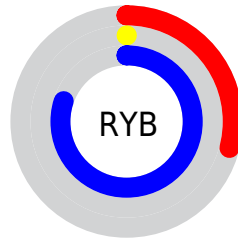
The XYZ color **13.8007, 5.8555, 57.5296** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **30.6453, 47.8526, 7.6213**, and the grayscale version is **2.4883, 2.6179, 2.8509**.

A 20% lighter version of the original color is **30.9933, 17.0517, 96.2655**, and **5.3453, 2.1381, 28.1479** is the 20% darker color. If you saturate the color by 10%, you get **13.8013, 5.8558, 57.5298**, and if you desaturate by 10%, it is **15.1720, 6.9443, 57.6677**.

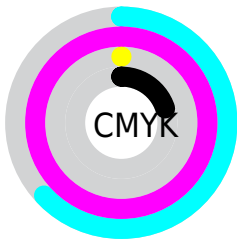
Distribution



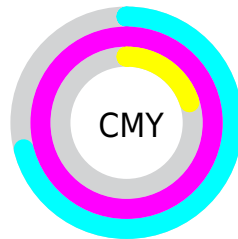
- Red (29%)
- Green (0%)
- Blue (80%)



- Red (29%)
- Yellow (0%)
- Blue (80%)



- Cyan (63%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)



- Cyan (71%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8007, 5.8555, 57.5296 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 13.8007, 5.8555, 57.5296 by changing the saturation by 10% instead.

■ 13.8007, 5.8555,
57.5296

■ 13.8007, 5.8555,
57.5296

209.5229,
157.7833, 432.9800

■ 8.0630, 2.7574,
41.0184

■ 32.3242, 17.6306,
102.7455

■ 4.1874, 1.0064,
28.0137

■ 45.8407, 27.0764,
132.2873

■ 1.8087, 0.0000,
18.0968

■ 62.6808, 39.4068,
167.0098

■ 0.5229, 0.0000,
10.8494

■ 83.2098, 55.0064,
207.3313

■ 0.0000, 0.0000,
5.8527

■ 107.7932, 74.2594,
253.6706

■ 0.0000, 0.0000,
2.6884

■ 136.7963, 97.5503,

■ 0.0000, 0.0000,

306.4461


0.9376


 170.5844,
125.2635, 366.0764

 0.0000, 0.0000,
0.0000


 13.8007, 5.8555,
57.5296


 13.8007, 5.8555,
57.5296


 13.8013, 5.8558,
57.5298

 15.1720, 6.9443,
57.6677

 17.0302, 8.6872,
57.9062

 19.4796, 11.2762,
58.2768

 22.5799, 14.8158,
58.7966

 26.3822, 19.3948,
59.4800

■ 30.9323, 25.0915,
60.3398

■ 36.2716, 31.9764,
61.3873

■ 42.4383, 40.1141,
62.6330

■ 49.4680, 49.5643,
64.0866

Harmonies

Analogous

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



7.2032, 5.8555, 85.8264



13.8007, 5.8555, 57.5296



19.6429, 5.8555, 21.3046

Triad

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



13.8007, 5.8555, 57.5296



9.5694, 5.8555, 0.0000



0.4420, 5.8555, 11.7047

Complementary

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



13.8007, 5.8555, 57.5296



30.6453, 47.8526, 7.6213

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.



0.5795, 5.8555, 0.8132



13.8007, 5.8555, 57.5296



4.1969, 5.8555, 0.0000

Square

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



13.8007, 5.8555, 57.5296



16.3688, 5.8555, 0.0000



1.5037, 5.8555, 0.0000



1.0158, 5.8555, 42.6223

Rectangle

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



13.8007, 5.8555, 57.5296



21.0781, 5.8555, 6.7337



1.5037, 5.8555, 0.0000



0.4079, 5.8555, 6.0305

Sweetspot

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



13.8013, 5.8558, 57.5298



59.6982, 52.4719, 101.5894



18.7758, 20.1130, 60.0196



11.9392, 10.1431, 21.5785



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.



13.8013, 5.8558, 57.5298



22.6413, 9.5869, 95.2649



28.9851, 13.6833, 58.2404



10.9848, 11.0415, 14.1226



8.7810, 3.7343, 36.2143



0.5360, 0.2354, 1.8721

Inverse Universe

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



28.8640, 14.4222, 22.0293



47.6944, 23.8418, 35.9185



22.0502, 43.4216, 7.2191



11.5057, 11.3310, 13.1979



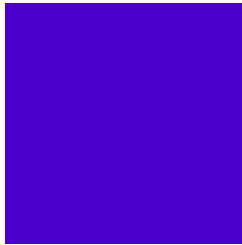
18.2134, 9.0960, 14.1085



0.9754, 0.4836, 0.9163

Previews

White Background



This preview shows how the XYZ color 13.8007, 5.8555, 57.5296 looks on a white background.

Color Contrast Check

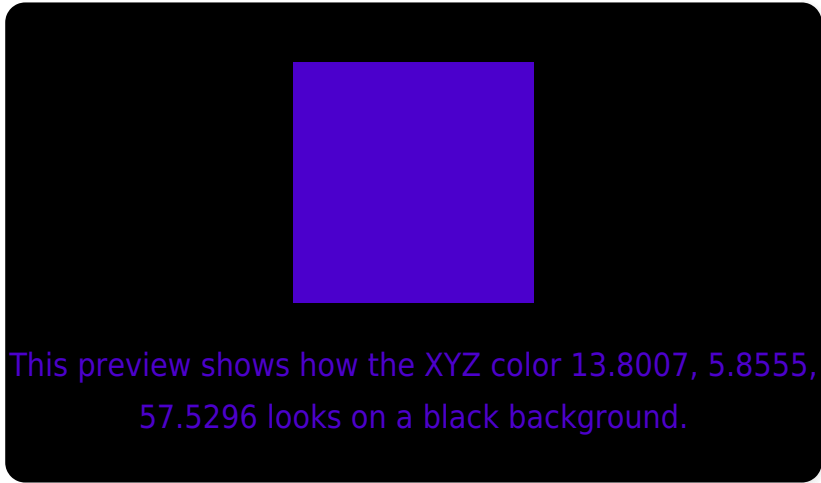
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black 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

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

XYZ 13.8007, 5.8555, 57.5296

Background



This preview shows how black text looks on a background with the XYZ color 13.8007, 5.8555, 57.5296.



This preview shows how white text looks on a background with the XYZ color 13.8007, 5.8555,

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

13.8007, 5.8555, 57.5296

Protanopia

7.0250, 6.1174, 26.7971

Deuteranopia

5.8954, 6.1702, 19.2926



Tritanopia

4.3246, 6.0889, 9.3348

Trichromacy



Original Color

13.8007, 5.8555, 57.5296

Protanomaly

8.1074, 4.6774, 36.0728

Deuteranomaly

7.0965, 4.4540, 30.1914

Tritanomaly

5.4889, 4.0727, 20.9189

Monochromacy



Original Color

13.8007, 5.8555, 57.5296

Achromatopsia

2.5969, 2.7321, 2.9752

Achromatomaly

4.5749, 2.7279, 13.1174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8007, 5.8555, 57.5296 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(75, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(75, 0, 204)  
}
```

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(75, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 0, 204) }
```

Border

The CSS property to change the border of an element to XYZ 13.8007, 5.8555, 57.5296 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(75, 0, 204) }
```


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

```
.border{ border-color:rgb(75, 0, 204) }
```

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

Here you see how a box with a 4 pixel rgb(75, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(75, 0, 204)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.8007, 5.8555, 57.5296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 0, 204) }
```

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

```
.background{ background-color: rgb(75, 0,  
204) }
```

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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