

Converting Colors

XYZ(13.0620, 5.4747, 57.4949)

Have a look what the booklet for
XYZ(13.0620, 5.4747, 57.4949)
contains.

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Color

**XYZ(13.0791, 5.4835,
57.4958)**

Conversions

Conversions Part 1

Format	Color
Hex	4100CC
RGB	65, 0, 204
RGB Percent	25%, 0%, 80%
CMY	0.7451, 1.0000, 0.2000
CMYK	0.68, 1.00, 0.00, 0.20
HSL	259°, 100%, 40%
HSV	259°, 100%, 80%
XYZ	13.0791, 5.4835, 57.4958
YIQ	42.6910, -26.7440, 77.2240

Conversions

Conversions Part 2

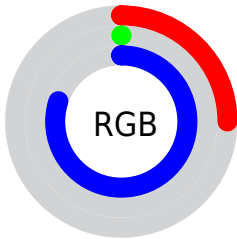
Format	Color
R_{YB}	65, 0, 204
Decimal	4260044
CIE Lab	28.07, 68.18, -85.67
CIE LCh	28, 109.490, 308.513
Yxy	5.4835, 0.1720, 0.0721
Android (android.graphics.Color)	4282450124 (0xFF4100CC)
YUV	42.6910, 79.5253, 19.5650
Hunter-Lab	23.4169, 58.7186, -129.1838

Details

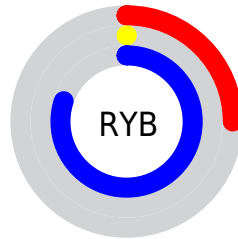
The XYZ color **13.0791, 5.4835, 57.4958** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **32.2390, 48.6741, 7.6959**, and the grayscale version is **2.1953, 2.3097, 2.5152**.

A 20% lighter version of the original color is **29.7900, 16.3408, 96.1917**, and **5.3453, 2.1381, 28.1479** is the 20% darker color. If you saturate the color by 10%, you get **13.0797, 5.4838, 57.4960**, and if you desaturate by 10%, it is **14.3732, 6.5325, 57.6303**.

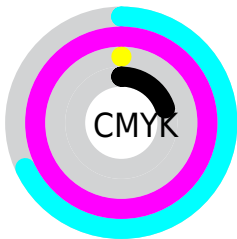
Distribution



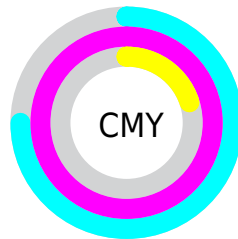
- Red (25%)
- Green (0%)
- Blue (80%)



- Red (25%)
- Yellow (0%)
- Blue (80%)



- Cyan (68%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)



- Cyan (75%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0791, 5.4835, 57.4958 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 13.0791, 5.4835, 57.4958 by changing the saturation by 10% instead.

■ 13.0791, 5.4835,
57.4958

■ 13.0791, 5.4835,
57.4958

205.0514,
154.3909, 432.8502

■ 7.5604, 2.5336,
40.9914

■ 31.0459, 16.8497,
102.6958

■ 3.8644, 0.8934,
27.9927

■ 44.2248, 26.0348,
132.2284

■ 1.6257, 0.0000,
18.0812

■ 60.6877, 38.0672,
166.9410

■ 0.4091, 0.0000,
10.8382

■ 80.8001, 53.3311,
207.2519

■ 0.0000, 0.0000,
5.8454

■ 104.9273, 72.2111,
253.5797

■ 0.0000, 0.0000,
2.6840


■ 133.4347, 95.0914,


■ 0.0000, 0.0000,

306.3430

0.9354


 166.6876,
122.3566, 365.9603

 0.0000, 0.0000,
0.0000


 13.0791, 5.4835,
57.4958


 13.0791, 5.4835,
57.4958


 13.0797, 5.4838,
57.4960

 14.3732, 6.5325,
57.6303

 16.1799, 8.2488,
57.8663

 18.6067, 10.8262,
58.2359

 21.7163, 14.3706,
58.7562

 25.5626, 18.9723,
59.4417

■ 30.1938, 24.7108,
60.3052

■ 35.6535, 31.6578,
61.3583

■ 41.9821, 39.8789,
62.6116

■ 49.2172, 49.4350,
64.0748

Harmonies

Analogous

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



6.6632, 5.4835, 85.1551



13.0791, 5.4835, 57.4958



18.8997, 5.4835, 21.2923

Triad

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



13.0791, 5.4835, 57.4958



9.2589, 5.4835, 0.0000



0.3102, 5.4835, 10.6648

Complementary

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



13.0791, 5.4835, 57.4958



32.2390, 48.6741, 7.6959

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.



0.4665, 5.4835, 0.5797



13.0791, 5.4835, 57.4958



3.9883, 5.4835, 0.0000

Square

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



13.0791, 5.4835, 57.4958



15.9222, 5.4835, 0.0000



1.3732, 5.4835, 0.0000



0.8624, 5.4835, 40.7780

Rectangle

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



13.0791, 5.4835, 57.4958



20.4094, 5.4835, 6.6655



1.3732, 5.4835, 0.0000



0.2817, 5.4835, 5.3257

Sweetspot

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



13.0797, 5.4838, 57.4960



58.6655, 51.9396, 101.5411



20.1898, 22.9410, 60.4909



11.6984, 10.0189, 21.5672



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.



13.0797, 5.4838, 57.4960



21.4657, 8.9809, 95.2099



26.7511, 12.5317, 58.1358



10.9327, 11.0146, 14.1202



8.3188, 3.4960, 36.1926



0.5082, 0.2211, 1.8708

Inverse Universe

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



29.5615, 14.7012, 25.7024



48.8546, 24.3058, 42.0277



22.3703, 43.5866, 7.2340



11.5295, 11.3405, 13.3230



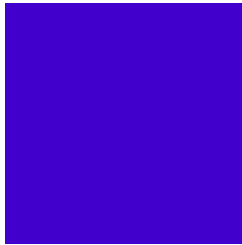
18.6502, 9.2707, 16.4087



0.9957, 0.4917, 1.0233

Previews

White Background



This preview shows how the XYZ color 13.0791, 5.4835, 57.4958 looks on a white background.

Color Contrast Check

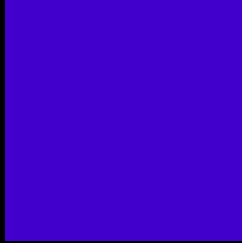
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 13.0791, 5.4835, 57.4958 looks on a 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 13.0791, 5.4835, 57.4958

Background



This preview shows how black text looks on a background with the XYZ color 13.0791, 5.4835, 57.4958.



This preview shows how white text looks on a background with the XYZ color 13.0791, 5.4835,

57.4958.

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

13.0791, 5.4835, 57.4958

Protanopia

6.5357, 5.7314, 24.8066

Deuteranopia

5.4602, 5.6883, 17.9497



Tritanopia

4.0696, 5.7630, 8.6825

Trichromacy



Original Color

13.0791, 5.4835, 57.4958

Protanomaly

7.7262, 4.4588, 34.6358

Deuteranomaly

6.7399, 4.2409, 28.8971

Tritanomaly

5.1995, 3.8145, 20.2009

Monochromacy



Original Color

13.0791, 5.4835, 57.4958

Achromatopsia

2.2962, 2.4158, 2.6308

Achromatomaly

4.1554, 2.4470, 12.8237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0791, 5.4835, 57.4958 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(65, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(65, 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(65, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 0, 204) }
```

Border

The CSS property to change the border of an element to XYZ 13.0791, 5.4835, 57.4958 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(65, 0, 204) }
```


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

```
.border{ border-color:rgb(65, 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(65, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(65, 0, 204)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.0791, 5.4835, 57.4958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 0, 204) }
```

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

```
.background{ background-color: rgb(65, 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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