

Converting Colors

XYZ(13.0098, 5.2637, 65.8056)

Have a look what the booklet for
XYZ(13.0098, 5.2637, 65.8056)
contains.

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Color

**XYZ(13.0311, 5.2710,
65.9762)**

Conversions

Conversions Part 1

Format	Color
Hex	1D00D9
RGB	29, 0, 217
RGB Percent	11%, 0%, 85%
CMY	0.8862, 1.0000, 0.1490
CMYK	0.87, 1.00, 0.00, 0.15
HSL	248°, 100%, 43%
HSV	248°, 100%, 85%
XYZ	13.0311, 5.2710, 65.9762
YIQ	33.4090, -52.3730, 73.6350

Conversions

Conversions Part 2

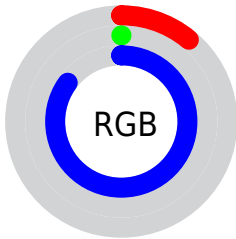
Format	Color
R_{YB}	29, 0, 217
Decimal	1900761
CIE Lab	27.49, 70.35, -94.25
CIE LCh	27, 117.612, 306.737
Yxy	5.2710, 0.1546, 0.0625
Android (android.graphics.Color)	4280090841 (0xFF1D00D9)
YUV	33.4090, 90.5104, -3.8667
Hunter-Lab	22.9587, 61.1371, -154.3104

Details

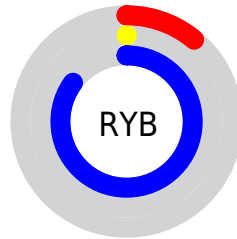
The XYZ color **13.0311, 5.2710, 65.9762** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **45.5462, 60.3143, 9.2413**, and the grayscale version is **1.4146, 1.4882, 1.6207**.

A 20% lighter version of the original color is **27.3933, 15.0162, 96.0624**, and **6.3452, 2.5381, 33.4132** is the 20% darker color. If you saturate the color by 10%, you get **13.0318, 5.2713, 65.9765**, and if you desaturate by 10%, it is **14.0161, 6.1962, 66.1031**.

Distribution



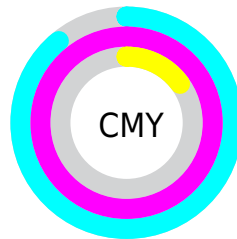
- Red (11%)
- Green (0%)
- Blue (85%)



- Red (11%)
- Yellow (0%)
- Blue (85%)



- Cyan (87%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)



- Cyan (89%)
- Magenta (100%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0311, 5.2710, 65.9762 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 13.0311, 5.2710, 65.9762 by changing the saturation by 10% instead.

■ 13.0311, 5.2710,
65.9762

■ 13.0311, 5.2710,
65.9762

204.7505,
152.4068, 464.6937

■ 7.5271, 2.4071,
47.7967

■ 30.9605, 16.3987,
115.0788

■ 3.8431, 0.8296,
33.3071

■ 44.1166, 25.4313,
146.8391

■ 1.6138, 0.0000,
22.0888

■ 60.5541, 37.2890,
183.9634

■ 0.4014, 0.0000,
13.7232

■ 80.6384, 52.3561,
226.8702

■ 0.0000, 0.0000,
7.7918

■ 104.7348, 71.0171,
275.9781


■ 0.0000, 0.0000,
3.8762


■ 133.2088, 93.6562,

■ 0.0000, 0.0000,


331.7056


1.5577


 166.4255,
120.6580, 394.4713


 0.0000, 0.0000,
0.2603


 0.0000, 0.0000,
0.0000

 13.0311, 5.2710,
65.9762


 13.0311, 5.2710,
65.9762

 13.0318, 5.2713,
65.9765

 14.0161, 6.1962,
66.1031

 15.6916, 7.9466,
66.3527

 18.2047, 10.7527,
66.7618

 21.6503, 14.7497,
67.3517

■ 26.1100, 20.0525,
68.1402

■ 31.6564, 26.7623,
69.1430

■ 38.3554, 34.9702,
70.3742

■ 46.2675, 44.7597,
71.8468

■ 55.4490, 56.2080,
73.5726

Harmonies

Analogous

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



6.1996, 5.2710, 96.0145



13.0311, 5.2710, 65.9762



19.6244, 5.2710, 24.3749

Triad

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



13.0311, 5.2710, 65.9762



9.7328, 5.2710, 0.0000



0.0416, 5.2710, 9.5260

Complementary

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



13.0311, 5.2710, 65.9762



45.5462, 60.3143, 9.2413

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.



0.2552, 5.2710, 0.0665



13.0311, 5.2710, 65.9762



3.9831, 5.2710, 0.0000

Square

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



13.0311, 5.2710, 65.9762



17.0019, 5.2710, 0.0000



1.2216, 5.2710, 0.0000



0.5921, 5.2710, 41.7837

Rectangle

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



13.0311, 5.2710, 65.9762



21.5511, 5.2710, 7.4174



1.2216, 5.2710, 0.0000



0.0265, 5.2710, 4.3354

Sweetspot

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



13.0318, 5.2713, 65.9765



54.9899, 50.0447, 101.3691



30.5219, 41.0048, 71.9519



10.8505, 9.5818, 21.5275



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.



13.0318, 5.2713, 65.9765



18.7132, 7.5619, 95.0810



22.9122, 10.3648, 66.4389



12.4998, 12.7003, 16.4447



7.9394, 3.2171, 39.9409



0.5680, 0.2361, 2.5901

Inverse Universe

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



37.6899, 18.3816, 49.1253



54.2770, 26.4748, 70.5820



28.0847, 51.3125, 8.4241



13.5355, 13.2433, 16.0814



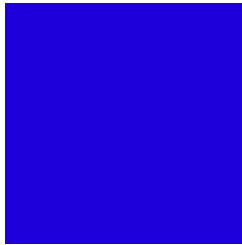
22.8440, 11.1386, 29.8880



1.5012, 0.7301, 2.0480

Previews

White Background



This preview shows how the XYZ color 13.0311, 5.2710, 65.9762 looks on a white background.

Color Contrast Check

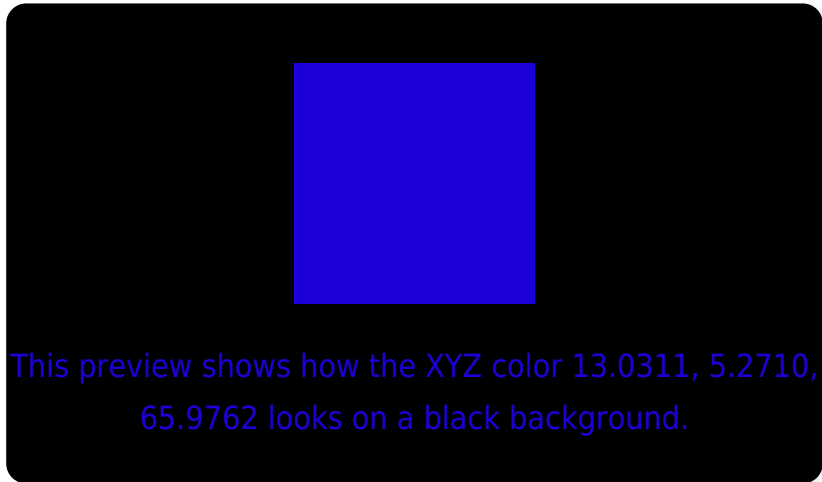
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0311, 5.2710, 65.9762

Background



This preview shows how black text looks on a background with the XYZ color 13.0311, 5.2710, 65.9762.



This preview shows how white text looks on a background with the XYZ color 13.0311, 5.2710,

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

13.0311, 5.2710, 65.9762

Protanopia

6.2066, 5.4161, 23.6400

Deuteranopia

5.1654, 5.4711, 16.7034



Tritanopia

3.8239, 5.4476, 8.0577

Trichromacy



Original Color

13.0311, 5.2710, 65.9762

Protanomaly

7.7225, 4.3736, 36.0345

Deuteranomaly

6.6246, 4.1069, 29.7217

Tritanomaly

5.1170, 3.6892, 21.2113

Monochromacy



Original Color

13.0311, 5.2710, 65.9762

Achromatopsia

1.4456, 1.5209, 1.6562

Achromatomaly

3.1641, 1.7635, 12.2302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0311, 5.2710, 65.9762 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(29, 0, 217)` looks like.

```
.text, #text, p{  
    color:rgb(29, 0, 217)  
}
```

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(29, 0, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 0, 217) }
```

Border

The CSS property to change the border of an element to XYZ 13.0311, 5.2710, 65.9762 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(29, 0, 217) }
```


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

```
.border{ border-color:rgb(29, 0, 217) }
```

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

Here you see how a box with a 4 pixel rgb(29, 0, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 0, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 0, 217);  
box-shadow:4px 4px 4px 4px rgb(29, 0, 217)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.0311, 5.2710, 65.9762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 0, 217) }
```

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

```
.background{ background-color: rgb(29, 0,  
217) }
```

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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