

Converting Colors

XYZ(13.5201, 5.5648, 64.1139)

Have a look what the booklet for
XYZ(13.5201, 5.5648, 64.1139)
contains.

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Color

**XYZ(13.5028, 5.5588,
63.9796)**

Conversions

Conversions Part 1

Format	Color
Hex	3300D6
RGB	51, 0, 214
RGB Percent	20%, 0%, 84%
CMY	0.8000, 1.0000, 0.1608
CMYK	0.76, 1.00, 0.00, 0.16
HSL	254°, 100%, 42%
HSV	254°, 100%, 84%
XYZ	13.5028, 5.5588, 63.9796
YIQ	39.6450, -38.2980, 77.3660

Conversions

Conversions Part 2

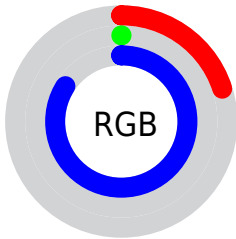
Format	Color
RYB	51, 0, 214
Decimal	3342550
CIELab	28.27, 70.07, -91.19
CIELCh	28, 115.001, 307.540
Yxy	5.5588, 0.1626, 0.0669
Android (android.graphics.Color)	4281532630 (0xFF3300D6)
YUV	39.6450, 85.9570, 9.9583
Hunter-Lab	23.5771, 60.9685, -144.3873

Details

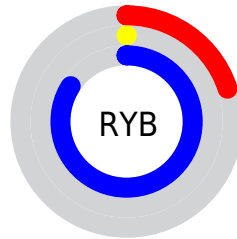
The XYZ color **13.5028, 5.5588, 63.9796** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **39.1485, 55.8786, 8.7223**, and the grayscale version is **1.9148, 2.0145, 2.1938**.

A 20% lighter version of the original color is **28.7213, 15.7899, 96.1417**, and **6.0858, 2.4343, 32.0474** is the 20% darker color. If you saturate the color by 10%, you get **13.5035, 5.5592, 63.9799**, and if you desaturate by 10%, it is **14.7493, 6.6105, 64.1171**.

Distribution



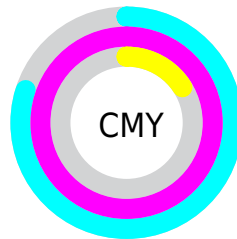
- Red (20%)
- Green (0%)
- Blue (84%)



- Red (20%)
- Yellow (0%)
- Blue (84%)



- Cyan (76%)
- Magenta (100%)
- Yellow (0%)
- Black (16%)



- Cyan (80%)
- Magenta (100%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5028, 5.5588, 63.9796 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 13.5028, 5.5588, 63.9796 by changing the saturation by 10% instead.

■ 13.5028, 5.5588,
63.9796

■ 13.5028, 5.5588,
63.9796

207.6885,
155.0857, 457.3214

■ 7.8551, 2.5787,
46.1881

■ 31.7979, 17.0086,
112.1807

■ 4.0534, 0.9160,
32.0445

■ 45.1759, 26.2471,
143.4274

■ 1.7324, 0.0000,
21.1304

■ 61.8614, 38.3406,
179.9963

■ 0.4764, 0.0000,
13.0272

■ 82.2197, 53.6734,
222.3058

■ 0.0000, 0.0000,
7.3163

■ 106.6163, 72.6299,
270.7745


■ 0.0000, 0.0000,
3.5793


■ 135.4163, 95.5945,

■ 0.0000, 0.0000,

325.8210

1.3975


 168.9853,
122.9516, 387.8638

 0.0000, 0.0000,
0.1398


 0.0000, 0.0000,
0.0000


 13.5028, 5.5588,
63.9796


 13.5028, 5.5588,
63.9796

 13.5035, 5.5592,
63.9799

 14.7493, 6.6105,
64.1171

 16.6156, 8.4352,
64.3710

 19.2278, 11.2486,
64.7763

 22.6637, 15.1742,
65.3530

■ 26.9904, 20.3169,
66.1176

■ 32.2680, 26.7692,
67.0848

■ 38.5508, 34.6145,
68.2680

■ 45.8890, 43.9291,
69.6791

■ 54.3295, 54.7837,
71.3294

Harmonies

Analogous

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



6.6387, 5.5588, 93.8489



13.5028, 5.5588, 63.9796



19.9406, 5.5588, 23.6741

Triad

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



13.5028, 5.5588, 63.9796



9.8375, 5.5588, 0.0000



0.1917, 5.5588, 10.3989

Complementary

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



13.5028, 5.5588, 63.9796



39.1485, 55.8786, 8.7223

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.



0.3803, 5.5588, 0.3362



13.5028, 5.5588, 63.9796



4.1265, 5.5588, 0.0000

Square

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



13.5028, 5.5588, 63.9796



17.0538, 5.5588, 0.0000



1.3388, 5.5588, 0.0000



0.7487, 5.5588, 42.7072

Rectangle

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



13.5028, 5.5588, 63.9796



21.7265, 5.5588, 7.3043



1.3388, 5.5588, 0.0000



0.1700, 5.5588, 4.9527

Sweetspot

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



13.5035, 5.5592, 63.9799



57.0268, 51.0948, 101.4644



25.4251, 31.4299, 68.3451



11.3186, 9.8231, 21.5494



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.



13.5035, 5.5592, 63.9799



19.9613, 8.2053, 95.1394



26.0293, 12.0165, 64.5661



12.0170, 12.1502, 15.6494



8.2400, 3.4004, 38.6752



0.5718, 0.2437, 2.3362

Inverse Universe

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



34.3415, 16.9401, 36.1046



51.0017, 25.1647, 53.3346



25.7378, 48.9651, 8.0947



12.8206, 12.5797, 14.9953



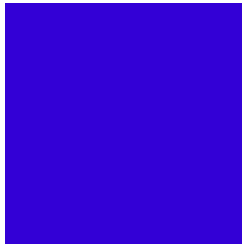
20.7995, 10.2561, 22.0461



1.2857, 0.6311, 1.4941

Previews

White Background



This preview shows how the XYZ color 13.5028, 5.5588, 63.9796 looks on a white background.

Color Contrast Check

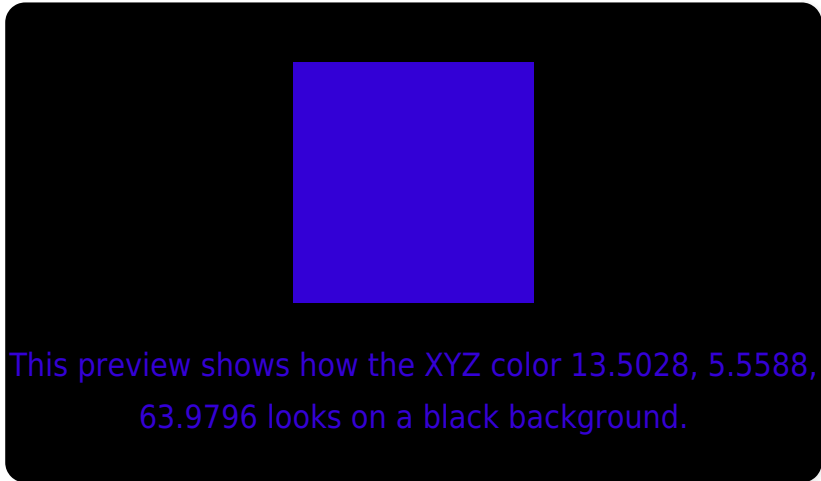
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5028, 5.5588, 63.9796

Background



This preview shows how black text looks on a background with the XYZ color 13.5028, 5.5588, 63.9796.



This preview shows how white text looks on a background with the XYZ color 13.5028, 5.5588,

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

13.5028, 5.5588, 63.9796

Protanopia

6.6084, 5.7605, 25.1897

Deuteranopia

5.5233, 5.8145, 17.9707



Tritanopia

4.0324, 5.7481, 8.4864

Trichromacy



Original Color

13.5028, 5.5588, 63.9796

Protanomaly

7.9795, 4.5475, 36.5336

Deuteranomaly

6.9567, 4.3151, 30.6032

Tritanomaly

5.2880, 3.8373, 21.2309

Monochromacy



Original Color

13.5028, 5.5588, 63.9796

Achromatopsia

2.0169, 2.1219, 2.3108

Achromatomaly

3.8345, 2.2100, 13.0564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5028, 5.5588, 63.9796 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(51, 0, 214)` looks like.

```
.text, #text, p{  
    color:rgb(51, 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(51, 0, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 0, 214) }
```

Border

The CSS property to change the border of an element to XYZ 13.5028, 5.5588, 63.9796 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(51, 0, 214) }
```


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

```
.border{ border-color:rgb(51, 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(51, 0, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 0, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 0, 214);  
box-shadow:4px 4px 4px 4px rgb(51, 0, 214)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.5028, 5.5588, 63.9796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 0, 214) }
```

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

```
.background{ background-color: rgb(51, 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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