

Converting Colors

XYZ(12.7345, 4.2227, 52.2265)

Have a look what the booklet for
XYZ(12.7345, 4.2227, 52.2265)
contains.

XYZ(13.5311, 5.8245, 52.6356)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.5311, 5.8245,
52.6356)**

Conversions

Conversions Part 1

Format	Color
Hex	5300C4
RGB	83, 0, 196
RGB Percent	33%, 0%, 77%
CMY	0.6745, 1.0000, 0.2314
CMYK	0.58, 1.00, 0.00, 0.23
HSL	265°, 100%, 38%
HSV	265°, 100%, 77%
XYZ	13.5311, 5.8245, 52.6356
YIQ	47.1610, -13.4480, 78.5520

Conversions

Conversions Part 2

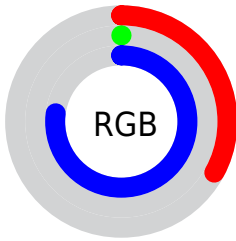
Format	Color
R_{YB}	83, 0, 196
Decimal	5439684
CIE _{Lab}	28.97, 67.26, -79.44
CIE _{LCh}	29, 104.089, 310.255
Yxy	5.8245, 0.1880, 0.0809
Android (android.graphics.Color)	4283629764 (0xFF5300C4)
YUV	47.1610, 73.3776, 31.4308
Hunter-Lab	24.1340, 57.8443, -112.4161

Details

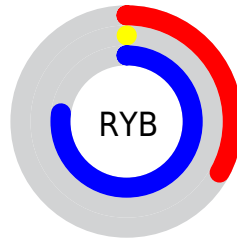
The XYZ color **13.5311, 5.8245, 52.6356** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **26.5493, 42.9903, 6.8987**, and the grayscale version is **2.6451, 2.7828, 3.0305**.

A 20% lighter version of the original color is **31.9336, 17.6471, 95.4891**, and **4.8077, 1.9231, 25.3171** is the 20% darker color. If you saturate the color by 10%, you get **13.5317, 5.8248, 52.6358**, and if you desaturate by 10%, it is **14.8545, 6.8677, 52.7674**.

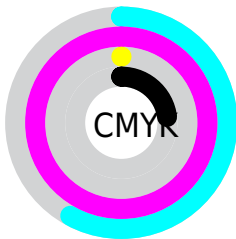
Distribution



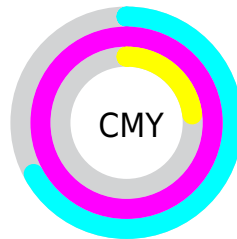
- Red (33%)
- Green (0%)
- Blue (77%)



- Red (33%)
- Yellow (0%)
- Blue (77%)



- Cyan (58%)
- Magenta (100%)
- Yellow (0%)
- Black (23%)



- Cyan (67%)
- Magenta (100%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5311, 5.8245, 52.6356 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 13.5311, 5.8245, 52.6356 by changing the saturation by 10% instead.

■ 13.5311, 5.8245,
52.6356

■ 13.5311, 5.8245,
52.6356

207.8635,
157.5043, 413.9121

■ 7.8748, 2.7387,
37.1262

■ 31.8479, 17.5659,
95.5040

■ 4.0661, 0.9969,
25.0087

■ 45.2392, 26.9903,
123.7002

■ 1.7396, 0.0000,
15.8644

■ 61.9395, 39.2962,
156.9623

■ 0.4808, 0.0000,
9.2750

■ 82.3141, 54.8682,
195.7090

■ 0.0000, 0.0000,
4.8217

■ 106.7284, 74.0906,
240.3588


■ 0.0000, 0.0000,
2.0861

■ 135.5479, 97.3479,


■ 0.0000, 0.0000,


291.3302

0.6075

 169.1378,
125.0243, 349.0418

 0.0000, 0.0000,
0.0000


 13.5311, 5.8245,
52.6356


 13.5311, 5.8245,
52.6356


 13.5317, 5.8248,
52.6358

 14.8545, 6.8677,
52.7674

 16.5930, 8.4898,
52.9889

 18.8408, 10.8682,
53.3295

 21.6495, 14.0964,
53.8045

 25.0632, 18.2533,
54.4270

■ 29.1212, 23.4089,
55.2082

■ 33.8590, 29.6259,
56.1585

■ 39.3095, 36.9620,
57.2873

■ 45.5033, 45.4705,
58.6031

Harmonies

Analogous

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



7.2805, 5.8245, 79.3132



13.5311, 5.8245, 52.6356



18.8893, 5.8245, 19.4782

Triad

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



13.5311, 5.8245, 52.6356



9.1291, 5.8245, 0.0000



0.5474, 5.8245, 12.0629

Complementary

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



13.5311, 5.8245, 52.6356



26.5493, 42.9903, 6.8987

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.



0.6562, 5.8245, 1.0346



13.5311, 5.8245, 52.6356



4.0951, 5.8245, 0.0000

Square

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



13.5311, 5.8245, 52.6356



15.5143, 5.8245, 0.0000



1.5412, 5.8245, 0.0000



1.1378, 5.8245, 41.3105

Rectangle

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



13.5311, 5.8245, 52.6356



20.1028, 5.8245, 6.2291



1.5412, 5.8245, 0.0000



0.5068, 5.8245, 6.4561

Sweetspot

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



13.5317, 5.8248, 52.6358



60.9047, 53.0939, 101.6459



16.0188, 16.0955, 54.4872



12.2218, 10.2887, 21.5917



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.



13.5317, 5.8248, 52.6358



24.2334, 10.4077, 95.3394



28.7088, 13.6489, 53.3461



9.9236, 9.9518, 12.6827



8.7885, 3.7911, 33.8252



0.4583, 0.2043, 1.4652

Inverse Universe

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



25.7453, 12.9279, 16.7595



46.5071, 23.3668, 29.6659



19.9594, 39.5931, 6.5903



10.3111, 10.1731, 11.7288



16.5863, 8.3243, 10.9992



0.7505, 0.3732, 0.6536

Previews

White Background



This preview shows how the XYZ color 13.5311, 5.8245, 52.6356 looks on a white background.

Color Contrast Check

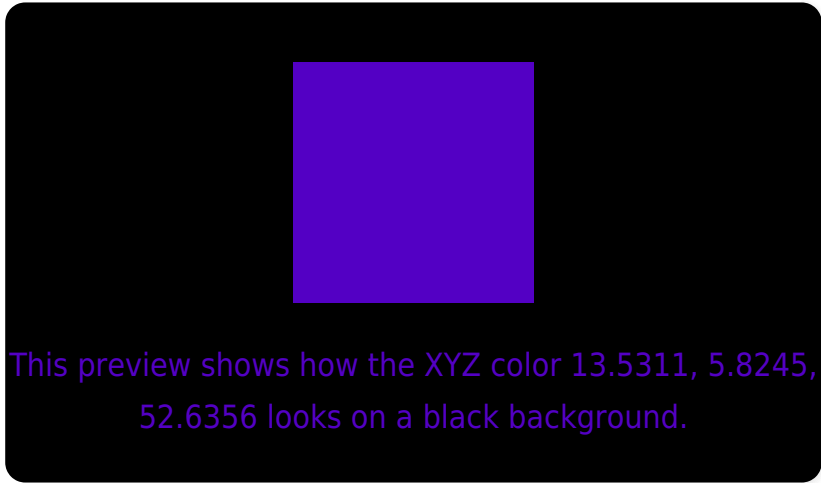
Large Text (above 18pt) WCAG AA ✓ Pass

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

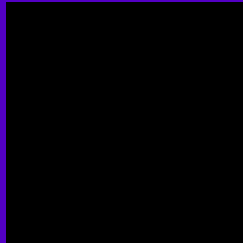
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.5311, 5.8245, 52.6356

Background



This preview shows how black text looks on a background with the XYZ color 13.5311, 5.8245, 52.6356.



This preview shows how white text looks on a background with the XYZ color 13.5311, 5.8245,

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

13.5311, 5.8245, 52.6356

Protanopia

7.0250, 6.1174, 26.7971

Deuteranopia

5.8954, 6.1702, 19.2926



Tritanopia

4.8704, 6.1714, 8.9171

Trichromacy



Original Color

13.5311, 5.8245, 52.6356

Protanomaly

7.9209, 4.6124, 34.6552

Deuteranomaly

6.9372, 4.3999, 28.9174

Tritanomaly

6.1534, 4.3282, 19.2500

Monochromacy



Original Color

13.5311, 5.8245, 52.6356

Achromatopsia

2.7019, 2.8426, 3.0956

Achromatomaly

4.6767, 2.8288, 12.6114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5311, 5.8245, 52.6356 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(83, 0, 196)` looks like.

```
.text, #text, p{  
    color:rgb(83, 0, 196)  
}
```

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(83, 0, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 0, 196) }
```

Border

The CSS property to change the border of an element to XYZ 13.5311, 5.8245, 52.6356 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(83, 0, 196) }
```


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

```
.border{ border-color:rgb(83, 0, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 0, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 0, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 0, 196);  
box-shadow:4px 4px 4px 4px rgb(83, 0, 196)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.5311, 5.8245, 52.6356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 0, 196) }
```

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

```
.background{ background-color: rgb(83, 0,  
196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor