

Converting Colors

XYZ(20.0864, 13.5803, 56.9694)

Have a look what the booklet for
XYZ(20.0864, 13.5803, 56.9694)
contains.

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Color

**XYZ(20.1155, 13.6311,
56.8292)**

Conversions

Conversions Part 1

Format	Color
Hex	6F52C9
RGB	111, 82, 201
RGB Percent	44%, 32%, 79%
CMY	0.5647, 0.6784, 0.2118
CMYK	0.45, 0.59, 0.00, 0.21
HSL	255°, 52%, 55%
HSV	255°, 59%, 79%
XYZ	20.1155, 13.6311, 56.8292
YIQ	104.2370, -20.9150, 43.1570

Conversions

Conversions Part 2

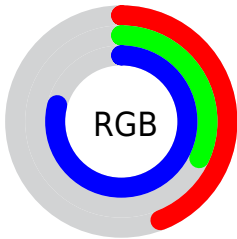
Format	Color
R_{YB}	111, 82, 201
Decimal	7295689
CIE _{Lab}	43.70, 40.64, -58.10
CIE _{LCh}	44, 70.903, 304.975
Yxy	13.6311, 0.2221, 0.1505
Android (android.graphics.Color)	4285485769 (0xFF6F52C9)
YUV	104.2370, 47.7042, 5.9312
Hunter-Lab	36.9203, 32.6426, -65.4173

Details

The XYZ color **20.1155, 13.6311, 56.8292** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted purple. A complement of this color would be **39.4222, 51.1529, 15.7785**, and the grayscale version is **13.1023, 13.7846, 15.0114**.

A 20% lighter version of the original color is **42.5860, 32.3199, 98.6016**, and **7.2055, 4.0075, 27.5879** is the 20% darker color. If you saturate the color by 10%, you get **17.0631, 10.1277, 56.3141**, and if you desaturate by 10%, it is **23.9385, 18.1909, 57.5081**.

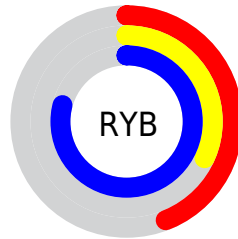
Distribution



Red (44%)

Green (32%)

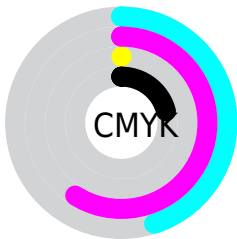
Blue (79%)



Red (44%)

Yellow (32%)

Blue (79%)

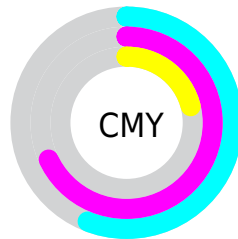


Cyan (45%)

Magenta (59%)

Yellow (0%)

Black (21%)



Cyan (56%)

Magenta (68%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1155, 13.6311, 56.8292 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 20.1155, 13.6311, 56.8292 by changing the saturation by 10% instead.

■ 20.1155, 13.6311,
56.8292

■ 20.1155, 13.6311,
56.8292

245.3614,
214.9236, 430.2848

■ 12.5878, 7.8645,
40.4597

■ 43.1132, 32.4330,
101.7138

■ 7.2203, 4.0084,
27.5806

■ 59.3139, 46.2372,
131.0659

■ 3.6478, 1.6783,
17.7735

■ 79.1363, 63.4893,
165.5827

■ 1.5049, 0.4095,
10.6197

■ 102.9458, 84.5738,
205.6826

■ 0.3292, 0.0000,
5.7008

■ 131.1077,
109.8751, 251.7843

■ 0.0000, 0.0000,
2.5982

163.9873,

■ 0.0000, 0.0000,

139.7776, 304.3061

0.8915

201.9501,
174.6657, 363.6668

■ 0.0000, 0.0000,
0.0000

■ 20.1155, 13.6311,
56.8292

■ 20.1155, 13.6311,
56.8292

■ 17.0631, 10.1277,
56.3141

■ 23.9385, 18.1909,
57.5081

■ 14.7230, 7.5907,
55.9478

■ 28.5807, 23.8839,
58.3623

■ 13.0306, 5.9171,
55.7140

■ 34.0887, 30.7814,
59.4034

■ 11.8854, 4.9350,
55.5848

■ 40.5050, 38.9481,
60.6415

■ 11.8088, 4.8698,
55.5762

■ 47.8692, 48.4445,
62.0864

■ 56.2186, 59.3266,
63.7468

■ 65.5883, 71.6476,
65.6311

■ 76.0117, 85.4576,
67.7474

■ 84.9481, 95.6595,
69.2455

Harmonies

Analogous

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



13.9070, 13.6311, 71.1637



20.1155, 13.6311, 56.8292



25.2847, 13.6311, 31.9645

Triad

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



20.1155, 13.6311, 56.8292



18.0349, 13.6311, 0.7758



4.9474, 13.6311, 17.6637

Complementary

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



20.1155, 13.6311, 56.8292



39.4222, 51.1529, 15.7785

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.



5.4730, 13.6311, 5.2809



20.1155, 13.6311, 56.8292



12.0493, 13.6311, 0.3291

Square

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



20.1155, 13.6311, 56.8292



23.8619, 13.6311, 3.2890



7.7356, 13.6311, 1.2264



6.0127, 13.6311, 40.2792

Rectangle

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



20.1155, 13.6311, 56.8292



26.8206, 13.6311, 17.6940



7.7356, 13.6311, 1.2264



4.9479, 13.6311, 12.3141

Sweetspot

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



20.1161, 13.6315, 56.8295



70.4773, 68.1305, 104.0437



29.0108, 35.9878, 60.6759



14.3460, 13.6363, 22.1259



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.



20.1161, 13.6315, 56.8295



27.9772, 15.9679, 96.2153



29.9796, 18.7163, 57.2911



10.2948, 10.4102, 13.3843



7.4952, 3.0982, 34.9473



0.4228, 0.1817, 1.6579

Inverse Universe

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



34.5509, 21.4306, 41.3433



55.4273, 30.8476, 64.5768



29.3146, 45.9423, 15.3054



10.9683, 10.7707, 12.8165



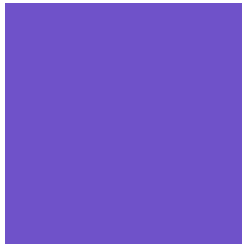
18.7469, 9.2483, 19.6750



0.9149, 0.4488, 1.0752

Previews

White Background



This preview shows how the XYZ color 20.1155, 13.6311, 56.8292 looks on a white background.

Color Contrast Check

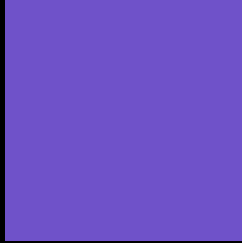
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.1155, 13.6311, 56.8292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

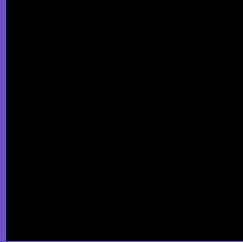
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.1155, 13.6311, 56.8292

Background



This preview shows how black text looks on a background with the XYZ color 20.1155, 13.6311, 56.8292.

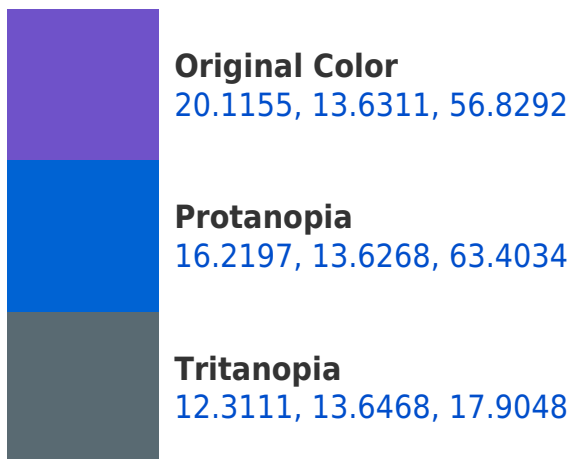


This preview shows how white text looks on a background with the XYZ color 20.1155, 13.6311,

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



Trichromacy



Original Color

20.1155, 13.6311, 56.8292

Protanomaly

16.0519, 12.7848, 60.6532

Tritanomaly

14.3928, 13.1661, 28.9769

Monochromacy



Original Color

20.1155, 13.6311, 56.8292

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.9065, 13.3556, 26.2183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1155, 13.6311, 56.8292 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(111, 82, 201)` looks like.

```
.text, #text, p{  
    color:rgb(111, 82, 201)  
}
```

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(111, 82, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 82, 201) }
```

Border

The CSS property to change the border of an element to XYZ 20.1155, 13.6311, 56.8292 is called "border". The border property can be set on classes, ids or directly on the HTML element.

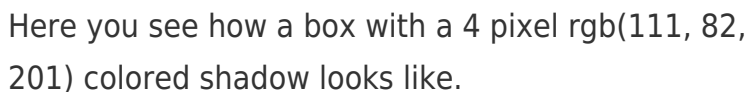
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(111, 82, 201) }
```

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

```
.border{ border-color:rgb(111, 82, 201) }
```

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



Here you see how a box with a 4 pixel `rgb(111, 82, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 82, 201); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 82, 201); box-shadow:4px 4px 4px 4px rgb(111, 82, 201) }
```


Background

The CSS property to change the background color of an element to XYZ 20.1155, 13.6311, 56.8292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 82, 201) }
```

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

```
.background{ background-color: rgb(111, 82,  
201) }
```

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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