

Converting Colors

XYZ(22.3236, 16.5664, 55.5739)

Have a look what the booklet for
XYZ(22.3236, 16.5664, 55.5739)
contains.

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Color

**XYZ(22.2611, 16.5079,
55.4391)**

Conversions

Conversions Part 1

Format	Color
Hex	7960C6
RGB	121, 96, 198
RGB Percent	47%, 38%, 78%
CMY	0.5255, 0.6235, 0.2235
CMYK	0.39, 0.52, 0.00, 0.22
HSL	255°, 47%, 58%
HSV	255°, 52%, 78%
XYZ	22.2611, 16.5079, 55.4391
YIQ	115.1030, -17.8420, 37.0220

Conversions

Conversions Part 2

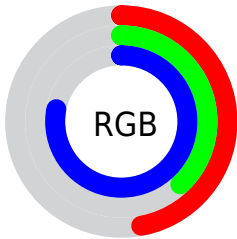
Format	Color
R_{YB}	121, 96, 198
Decimal	7954630
CIE _{Lab}	47.63, 33.92, -49.99
CIE _{LCh}	48, 60.412, 304.159
Yxy	16.5079, 0.2363, 0.1752
Android (android.graphics.Color)	4286144710 (0xFF7960C6)
YUV	115.1030, 40.8682, 5.1717
Hunter-Lab	40.6299, 26.6977, -52.4597

Details

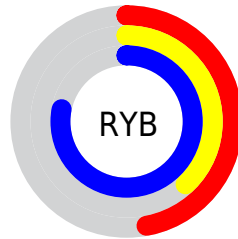
The XYZ color **22.2611, 16.5079, 55.4391** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **39.5388, 50.1170, 18.6563**, and the grayscale version is **16.2114, 17.0556, 18.5736**.

A 20% lighter version of the original color is **46.6152, 37.4345, 99.3764**, and **8.3030, 5.3380, 26.5793** is the 20% darker color. If you saturate the color by 10%, you get **18.7421, 12.3416, 54.8207**, and if you desaturate by 10%, it is **26.5609, 21.7524, 56.2251**.

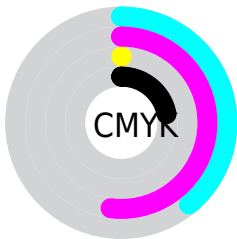
Distribution



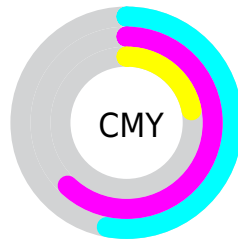
- Red (47%)
- Green (38%)
- Blue (78%)



- Red (47%)
- Yellow (38%)
- Blue (78%)



- Cyan (39%)
- Magenta (52%)
- Yellow (0%)
- Black (22%)



- Cyan (53%)
- Magenta (62%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2611, 16.5079, 55.4391 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 22.2611, 16.5079, 55.4391 by changing the saturation by 10% instead.

■ 22.2611, 16.5079,
55.4391

■ 22.2611, 16.5079,
55.4391

256.5136,
232.3204, 424.9030

■ 14.1666, 9.8843,
39.3524

■ 46.6528, 37.4777,
99.6616

■ 8.3191, 5.3223,
26.7241

■ 63.6807, 52.5927,
128.6345

■ 4.3533, 2.4376,
17.1355

■ 84.4170, 71.3069,
162.7399

■ 1.9039, 0.8451,
10.1682

■ 109.2272, 94.0048,
202.3963

■ 0.5791, 0.0000,
5.4035

138.4766,
121.0706, 248.0223

■ 0.0000, 0.0000,
2.4231

172.5306,

■ 0.0000, 0.0000,

152.8889, 300.0364

0.7990

211.7545,
189.8440, 358.8571

■ 0.0000, 0.0000,
0.0000

■ 22.2611, 16.5079,
55.4391

■ 22.2611, 16.5079,
55.4391

■ 18.7421, 12.3416,
54.8207

■ 26.5609, 21.7524,
56.2251

■ 15.9521, 9.1744,
54.3564

■ 31.6846, 28.1430,
57.1886

■ 13.8359, 6.9189,
54.0326

■ 37.6745, 35.7440,
58.3400

■ 12.3284, 5.4710,
53.8326

■ 44.5693, 44.6142,
59.6887

■ 11.4374, 4.7187,
53.7344

■ 52.4052, 54.8088,
61.2435

■ 61.2165, 66.3794,
63.0124

■ 71.0357, 79.3752,
65.0033

■ 81.8939, 93.8426,
67.2235

■ 87.1931, 96.8572,
67.5261

Harmonies

Analogous

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



16.4542, 16.5079, 66.8286



22.2611, 16.5079, 55.4391



26.9930, 16.5079, 34.2711

Triad

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



22.2611, 16.5079, 55.4391



20.6570, 16.5079, 2.3070



7.4552, 16.5079, 20.2147

Complementary

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



22.2611, 16.5079, 55.4391



39.5388, 50.1170, 18.6563

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.



8.0869, 16.5079, 7.8900



22.2611, 16.5079, 55.4391



14.9504, 16.5079, 1.6468

Square

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



22.2611, 16.5079, 55.4391



25.9278, 16.5079, 5.9259



10.5593, 16.5079, 2.8994



8.5799, 16.5079, 40.3316

Rectangle

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



22.2611, 16.5079, 55.4391



28.4289, 16.5079, 21.1686



10.5593, 16.5079, 2.8994



7.4713, 16.5079, 15.1187

Sweetspot

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



22.2618, 16.5085, 55.4395



74.2020, 72.9060, 104.7691



30.1920, 36.9138, 58.9602



15.3216, 14.8834, 22.3152



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.



22.2618, 16.5085, 55.4395



32.4127, 20.9562, 96.9444



31.1273, 21.0788, 55.8544



10.2962, 10.4109, 13.3843



7.5040, 3.1027, 34.9477



0.4234, 0.1820, 1.6580

Inverse Universe

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



35.0145, 23.3889, 42.2033



57.9320, 34.7615, 68.7890



30.5028, 45.4588, 18.2335



10.9677, 10.7705, 12.8131



18.7327, 9.2426, 19.6000



0.9144, 0.4486, 1.0722

Previews

White Background



This preview shows how the XYZ color 22.2611, 16.5079, 55.4391 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 22.2611, 16.5079, 55.4391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

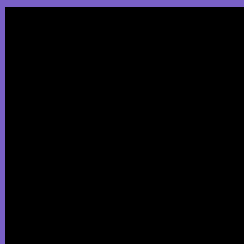
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.2611, 16.5079, 55.4391

Background



This preview shows how black text looks on a background with the XYZ color 22.2611, 16.5079, 55.4391.



This preview shows how white text looks on a background with the XYZ color 22.2611, 16.5079,

55.4391.

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

22.2611, 16.5079, 55.4391

Protanopia

19.2632, 16.8351, 64.5216

Deuteranopia

17.1202, 16.6335, 53.3472



Tritanopia

15.3014, 16.4077, 21.0994

Trichromacy



Original Color

22.2611, 16.5079, 55.4391

Protanomaly

19.7937, 16.4020, 61.1541

Deuteranomaly

18.0885, 15.9920, 53.7632

Tritanomaly

17.1931, 16.0324, 31.0425

Monochromacy



Original Color

22.2611, 16.5079, 55.4391

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.8095, 16.5514, 29.0441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2611, 16.5079, 55.4391 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(121, 96, 198)` looks like.

```
.text, #text, p{  
    color:rgb(121, 96, 198)  
}
```

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(121, 96, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 96, 198) }
```

Border

The CSS property to change the border of an element to XYZ 22.2611, 16.5079, 55.4391 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(121, 96, 198) }
```


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

```
.border{ border-color:rgb(121, 96, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 96, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 96, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 96, 198);  
box-shadow:4px 4px 4px 4px rgb(121, 96,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2611, 16.5079, 55.4391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 96, 198) }
```

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

```
.background{ background-color: rgb(121, 96,  
198) }
```

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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