

Converting Colors

XYZ(20.2495, 20.0785, 35.4080)

Have a look what the booklet for
XYZ(20.2495, 20.0785, 35.4080)
contains.

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Color

**XYZ(20.2878, 20.0671,
35.6049)**

Conversions

Conversions Part 1

Format	Color
Hex	737A9F
RGB	115, 122, 159
RGB Percent	45%, 48%, 62%
CMY	0.5490, 0.5216, 0.3765
CMYK	0.28, 0.23, 0.00, 0.38
HSL	230°, 19%, 54%
HSV	230°, 28%, 62%
XYZ	20.2878, 20.0671, 35.6049
YIQ	124.1250, -16.0490, 10.0230

Conversions

Conversions Part 2

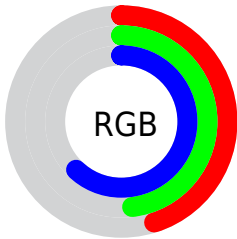
Format	Color
R_{YB}	115, 121, 159
Decimal	7568031
CIE Lab	51.91, 6.09, -20.70
CIE LCh	52, 21.574, 286.387
Yxy	20.0671, 0.2671, 0.2642
Android (android.graphics.Color)	4285758111 (0xFF737A9F)
YUV	124.1250, 17.1934, -8.0026
Hunter-Lab	44.7963, 2.4473, -15.7673

Details

The XYZ color **20.2878, 20.0671, 35.6049** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.6212, 31.0656, 20.7082**, and the grayscale version is **19.1487, 20.1459, 21.9389**.

A 20% lighter version of the original color is **43.4221, 43.4520, 69.7168**, and **7.2826, 7.0829, 14.8932** is the 20% darker color. If you saturate the color by 10%, you get **16.8443, 16.0206, 35.0057**, and if you desaturate by 10%, it is **24.3191, 24.7529, 36.2972**.

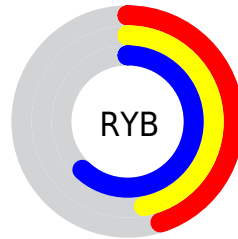
Distribution



Red (45%)

Green (48%)

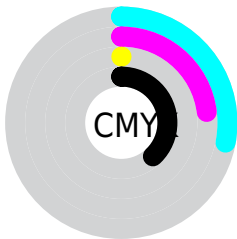
Blue (62%)



Red (45%)

Yellow (47%)

Blue (62%)

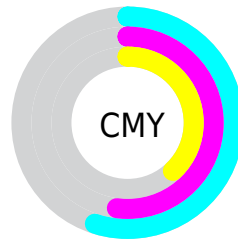


Cyan (28%)

Magenta (23%)

Yellow (0%)

Black (38%)



Cyan (55%)

Magenta (52%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2878, 20.0671, 35.6049 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 20.2878, 20.0671, 35.6049 by changing the saturation by 10% instead.

■ 20.2878, 20.0671,
35.6049

■ 20.2878, 20.0671,
35.6049

246.2729,
252.2781, 342.2154

■ 12.7139, 12.4438,
23.8419

■ 43.3994, 43.5297,
69.5840

■ 7.3075, 7.0467,
15.0053

■ 59.6679, 60.1377,
92.6371

■ 3.7032, 3.4913,
8.6764

■ 79.5653, 80.5095,
120.2908

■ 1.5356, 1.3933,
4.4368

103.4569,
105.0294, 152.9635

■ 0.3499, 0.2118,
1.8679

131.7081,
134.0819, 191.0738

■ 0.0000, 0.0000,
0.4722

164.6842,

■ 0.0000, 0.0000,

168.0512, 235.0401

0.0000

202.7507,
207.3218, 285.2812

■ 20.2878, 20.0671,
35.6049

■ 20.2878, 20.0671,
35.6049

■ 16.8443, 16.0206,
35.0057

■ 24.3191, 24.7529,
36.2972

■ 13.9590, 12.5831,
34.4942

■ 28.9622, 30.1018,
37.0849

■ 11.6027, 9.7254,
34.0669

■ 34.2419, 36.1391,
37.9720

■ 9.7424, 7.4150,
33.7190

■ 40.1811, 42.8884,
38.9617

■ 8.3417, 5.6161,
33.4455

■ 46.8018, 50.3718,
40.0572

■ 7.3587, 4.2882,
33.2410

■ 54.1246, 58.6108,
41.2615

■ 6.7294, 3.3772,
33.0984

■ 62.1695, 67.6256,
42.5776

■ 6.6121, 3.2112,
33.0725

■ 70.9556, 77.4361,
44.0081

■ 79.3503, 87.4678,
45.5019

Harmonies

Analogous

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



18.0978, 20.0671, 35.8149



20.2878, 20.0671, 35.6049



22.2921, 20.0671, 31.2838

Triad

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



20.2878, 20.0671, 35.6049



22.1324, 20.0671, 14.2202



15.2612, 20.0671, 19.1287

Complementary

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



20.2878, 20.0671, 35.6049



28.6212, 31.0656, 20.7082

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.



16.1800, 20.0671, 14.5329



20.2878, 20.0671, 35.6049



20.0830, 20.0671, 12.0882

Square

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



20.2878, 20.0671, 35.6049



23.4116, 20.0671, 18.6164



17.9080, 20.0671, 12.1905



15.3068, 20.0671, 25.4371

Rectangle

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



20.2878, 20.0671, 35.6049



23.2039, 20.0671, 27.0530



17.9080, 20.0671, 12.1905



15.4643, 20.0671, 17.3603

Sweetspot

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



20.2885, 20.0679, 35.6054



51.4430, 53.4210, 66.3434



25.1091, 30.6976, 34.1651



11.3134, 11.7171, 14.9090



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.2885, 20.0679, 35.6054



32.5375, 31.4881, 63.1064



21.5442, 19.4849, 35.4266



6.3658, 6.5973, 8.3446



5.2436, 2.5788, 26.1286



0.1148, 0.0882, 0.4742

Inverse Universe

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



23.9422, 21.0382, 21.2120



40.1943, 33.6667, 32.9112



27.0530, 31.9938, 20.9700



6.6740, 6.6625, 7.1342



11.4449, 5.8825, 1.3282



0.2153, 0.1094, 0.0797

Previews

White Background



This preview shows how the XYZ color 20.2878, 20.0671, 35.6049 looks on a white background.

Color Contrast Check

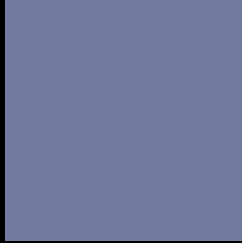
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.2878, 20.0671, 35.6049 looks on a black 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

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

XYZ 20.2878, 20.0671, 35.6049

Background



This preview shows how black text looks on a background with the XYZ color 20.2878, 20.0671, 35.6049.



This preview shows how white text looks on a background with the XYZ color 20.2878, 20.0671,

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

20.2878, 20.0671, 35.6049

Protanopia

20.1570, 19.9997, 35.5988

Deuteranopia

20.4315, 19.9599, 35.5767



Tritanopia

18.3352, 20.0143, 26.1893

Trichromacy



Original Color

20.2878, 20.0671, 35.6049

Protanomaly

20.1570, 19.9997, 35.5988

Deuteranomaly

20.2978, 19.8910, 35.5704

Tritanomaly

19.0497, 20.1256, 29.2662

Monochromacy



Original Color

20.2878, 20.0671, 35.6049

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.4835, 20.0370, 26.5076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2878, 20.0671, 35.6049 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(115, 122, 159)` looks like.

```
.text, #text, p{  
    color:rgb(115, 122, 159)  
}
```

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(115, 122, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 122, 159) }
```

Border

The CSS property to change the border of an element to XYZ 20.2878, 20.0671, 35.6049 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(115, 122, 159) }
```


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

```
.border{ border-color:rgb(115, 122, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 122, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 122, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 122, 159);  
box-shadow:4px 4px 4px 4px rgb(115, 122,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2878, 20.0671, 35.6049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 122, 159) }
```

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

```
.background{ background-color: rgb(115,  
122, 159) }
```

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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