

Converting Colors

XYZ(20.1992, 19.2398, 55.9806)

Have a look what the booklet for
XYZ(20.1992, 19.2398, 55.9806)
contains.

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Color

**XYZ(20.2178, 19.2156,
56.0695)**

Conversions

Conversions Part 1

Format	Color
Hex	5078C6
RGB	80, 120, 198
RGB Percent	31%, 47%, 78%
CMY	0.6862, 0.5294, 0.2235
CMYK	0.60, 0.39, 0.00, 0.22
HSL	220°, 51%, 55%
HSV	220°, 60%, 78%
XYZ	20.2178, 19.2156, 56.0695
YIQ	116.9320, -48.8780, 15.7780

Conversions

Conversions Part 2

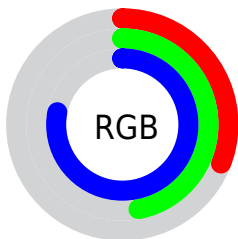
Format	Color
R _Y B	80, 110, 198
Decimal	5273798
CIE Lab	50.94, 9.94, -44.90
CIE LCh	51, 45.983, 282.487
Yxy	19.2156, 0.2117, 0.2012
Android (android.graphics.Color)	4283463878 (0xFF5078C6)
YUV	116.9320, 39.9665, -32.3894
Hunter-Lab	43.8356, 5.6152, -45.1521

Details

The XYZ color **20.2178, 19.2156, 56.0695** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle muted azure. A complement of this color would be **36.9650, 37.0410, 12.7920**, and the grayscale version is **16.7794, 17.6532, 19.2243**.

A 20% lighter version of the original color is **43.2838, 42.1283, 100.4580**, and **7.3514, 6.6483, 27.2814** is the 20% darker color. If you saturate the color by 10%, you get **17.3177, 15.5415, 55.5136**, and if you desaturate by 10%, it is **23.8271, 23.5753, 56.7212**.

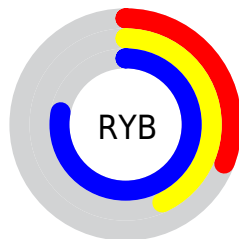
Distribution



Red (31%)

Green (47%)

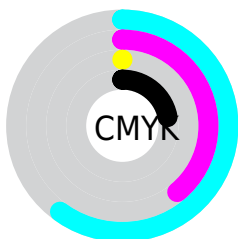
Blue (78%)



Red (31%)

Yellow (43%)

Blue (78%)

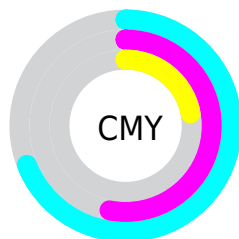


Cyan (60%)

Magenta (39%)

Yellow (0%)

Black (22%)



Cyan (69%)

Magenta (53%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2178, 19.2156, 56.0695 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 20.2178, 19.2156, 56.0695 by changing the saturation by 10% instead.

■ 20.2178, 19.2156,
56.0695

■ 20.2178, 19.2156,
56.0695

245.9029,
247.6364, 427.3490

■ 12.6626, 11.8262,
39.8543

■ 43.2832, 42.0981,
100.5930

■ 7.2720, 6.6254,
27.1120

■ 59.5242, 58.3599,
129.7383

■ 3.6807, 3.2290,
17.4242

■ 79.3911, 78.3481,
164.0308

■ 1.5231, 1.2524,
10.3722

■ 103.2494,
102.4468, 203.8890

■ 0.3415, 0.1039,
5.5376

131.4643,
131.0407, 249.7313

■ 0.0000, 0.0000,
2.5018

164.4013,

■ 0.0000, 0.0000,

164.5139, 301.9764

0.8411

202.4258,
203.2511, 361.0428

■ 0.0000, 0.0000,
0.0000

■ 20.2178, 19.2156,
56.0695

■ 20.2178, 19.2156,
56.0695

■ 17.3177, 15.5415,
55.5136

■ 23.8271, 23.5753,
56.7212

■ 15.0711, 12.5106,
55.0470

■ 28.1909, 28.6552,
57.4717

■ 13.4169, 10.0780,
54.6646

■ 33.3528, 34.4897,
58.3258

■ 12.2490, 8.1740,
54.3587

■ 39.3527, 41.1102,
59.2875

■ 12.2070, 8.1050,
54.3476

■ 46.2273, 48.5462,
60.3604

■ 54.0114, 56.8256,
61.5482

■ 62.7377, 65.9749,
62.8543

■ 72.4371, 76.0194,
64.2819

■ 81.9495, 86.3699,
65.7784

Harmonies

Analogous

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



15.7602, 19.2156, 54.9817



20.2178, 19.2156, 56.0695



24.8195, 19.2156, 45.3137

Triad

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



20.2178, 19.2156, 56.0695



25.4897, 19.2156, 8.1690



11.1379, 19.2156, 14.2632

Complementary

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



20.2178, 19.2156, 56.0695



36.9650, 37.0410, 12.7920

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.



12.9779, 19.2156, 7.3684



20.2178, 19.2156, 56.0695



21.0196, 19.2156, 4.9873

Square

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



20.2178, 19.2156, 56.0695



28.1850, 19.2156, 15.9675



16.4400, 19.2156, 4.7723



10.9960, 19.2156, 26.8092

Rectangle

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



20.2178, 19.2156, 56.0695



27.1549, 19.2156, 34.7318



16.4400, 19.2156, 4.7723



11.5622, 19.2156, 11.3658

Sweetspot

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



20.2186, 19.2162, 56.0700



71.2056, 74.4556, 105.2262



29.5635, 44.5184, 38.8002



14.5225, 15.1517, 22.4091



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.



20.2186, 19.2162, 56.0700



29.1523, 25.5234, 97.9978



18.0676, 12.3959, 54.8669



10.3456, 10.8653, 13.4694



8.0101, 5.4141, 35.3672



0.4466, 0.3909, 1.6971

Inverse Universe

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



29.5483, 19.1002, 19.8990



47.7962, 27.5285, 25.2143



40.5351, 50.7073, 15.2418



10.7797, 10.6953, 11.8234



15.8425, 8.0865, 4.3803



0.7841, 0.3965, 0.3863

Previews

White Background



This preview shows how the XYZ color 20.2178, 19.2156, 56.0695 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 20.2178, 19.2156, 56.0695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

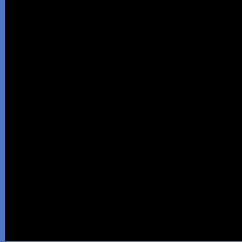
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.2178, 19.2156, 56.0695

Background



This preview shows how black text looks on a background with the XYZ color 20.2178, 19.2156, 56.0695.

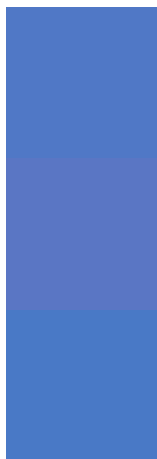


This preview shows how white text looks on a background with the XYZ color 20.2178, 19.2156,

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

20.2178, 19.2156, 56.0695

Protanopia

20.6587, 19.1160, 54.8255

Deuteranopia

19.7781, 19.1684, 56.0835



Tritanopia

14.7093, 19.2677, 28.5350

Trichromacy



Original Color

20.2178, 19.2156, 56.0695

Protanomaly

20.5126, 19.2033, 55.4488

Deuteranomaly

20.0109, 19.2885, 56.0944

Tritanomaly

16.3551, 19.1370, 37.0142

Monochromacy



Original Color

20.2178, 19.2156, 56.0695

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.3757, 17.9752, 29.7479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2178, 19.2156, 56.0695 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(80, 120, 198)` looks like.

```
.text, #text, p{  
    color:rgb(80, 120, 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(80, 120, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 120, 198) }
```

Border

The CSS property to change the border of an element to XYZ 20.2178, 19.2156, 56.0695 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(80, 120, 198) }
```


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

```
.border{ border-color:rgb(80, 120, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 120, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 120, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 120, 198);  
box-shadow:4px 4px 4px 4px rgb(80, 120,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2178, 19.2156, 56.0695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 120, 198) }
```

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

```
.background{ background-color: rgb(80, 120,  
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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