

Converting Colors

XYZ(19.8535, 20.9929, 48.0663)

Have a look what the booklet for
XYZ(19.8535, 20.9929, 48.0663)
contains.

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Color

**XYZ(19.7058, 20.8249,
47.7807)**

Conversions

Conversions Part 1

Format	Color
Hex	5081B7
RGB	80, 129, 183
RGB Percent	31%, 51%, 72%
CMY	0.6863, 0.4941, 0.2824
CMYK	0.56, 0.30, 0.00, 0.28
HSL	211°, 42%, 52%
HSV	211°, 56%, 72%
XYZ	19.7058, 20.8249, 47.7807
YIQ	120.5050, -46.5380, 6.4060

Conversions

Conversions Part 2

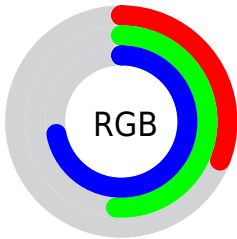
Format	Color
R _Y B	80, 113, 183
Decimal	5276087
CIE _{Lab}	52.76, -0.44, -33.44
CIE _{LCh}	53, 33.438, 269.249
Yxy	20.8249, 0.2231, 0.2358
Android (android.graphics.Color)	4283466167 (0xFF5081B7)
YUV	120.5050, 30.8100, -35.5229
Hunter-Lab	45.6343, -2.7802, -30.1347

Details

The XYZ color **19.7058, 20.8249, 47.7807** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.5025, 27.6980, 11.3818**, and the grayscale version is **17.9301, 18.8639, 20.5427**.

A 20% lighter version of the original color is **42.4613, 44.9221, 88.0942**, and **7.0231, 7.4136, 22.1799** is the 20% darker color. If you saturate the color by 10%, you get **17.1609, 17.7244, 47.3168**, and if you desaturate by 10%, it is **22.7916, 24.3812, 48.3049**.

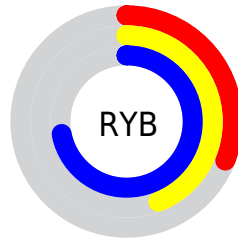
Distribution



Red (31%)

Green (51%)

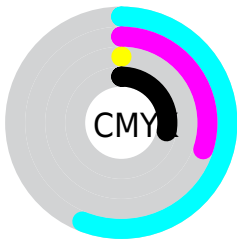
Blue (72%)



Red (31%)

Yellow (44%)

Blue (72%)

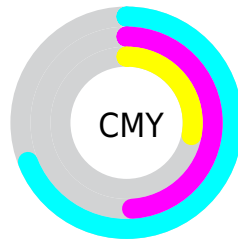


Cyan (56%)

Magenta (30%)

Yellow (0%)

Black (28%)



Cyan (69%)

Magenta (49%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7058, 20.8249, 47.7807 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 19.7058, 20.8249, 47.7807 by changing the saturation by 10% instead.

■ 19.7058, 20.8249,
47.7807

■ 19.7058, 20.8249,
47.7807

243.1820,
256.3465, 394.4058

■ 12.2884, 12.9961,
33.2945

■ 42.4311, 44.7959,
88.2399

■ 7.0140, 7.4258,
22.0792

■ 58.4697, 61.7069,
115.0501

■ 3.5173, 3.7298,
13.7162

■ 78.1127, 82.4141,
146.8052

■ 1.4328, 1.5236,
7.7871

■ 101.7256,
107.3019, 183.9240

■ 0.2794, 0.3053,
3.8732

■ 129.6736,
136.7546, 226.8249

■ 0.0000, 0.0000,
1.5560

162.3221,

■ 0.0000, 0.0000,

171.1566, 275.9265

0.2592

200.0364,
210.8925, 331.6473

■ 0.0000, 0.0000,
0.0000

■ 19.7058, 20.8249,
47.7807

■ 19.7058, 20.8249,
47.7807

■ 17.1609, 17.7244,
47.3168

■ 22.7916, 24.3812,
48.3049

■ 15.1164, 15.0529,
46.9089

■ 26.4504, 28.4133,
48.8903

■ 13.5290, 12.7832,
46.5545

■ 30.7141, 32.9425,
49.5398

■ 12.3415, 10.8809,
46.2499

■ 35.6114, 37.9880,
50.2556

■ 11.9601, 10.2444,
46.1471

■ 41.1693, 43.5678,
51.0397

■ 47.4130, 49.6990,
51.8940

■ 54.3663, 56.3976,
52.8205

■ 62.0518, 63.6793,
53.8210

■ 70.4912, 71.5589,
54.8971

Harmonies

Analogous

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



16.5617, 20.8249, 43.4849



19.7058, 20.8249, 47.7807



23.2508, 20.8249, 43.8740

Triad

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



19.7058, 20.8249, 47.7807



26.2333, 20.8249, 14.5323



14.5759, 20.8249, 14.2110

Complementary

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



19.7058, 20.8249, 47.7807



29.5025, 27.6980, 11.3818

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.



16.6970, 20.8249, 9.7157



19.7058, 20.8249, 47.7807



23.4205, 20.8249, 9.8593

Square

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



19.7058, 20.8249, 47.7807



27.2768, 20.8249, 22.9271



19.8813, 20.8249, 8.3914



13.8216, 20.8249, 22.4243

Rectangle

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



19.7058, 20.8249, 47.7807



25.3151, 20.8249, 37.6475



19.8813, 20.8249, 8.3914



15.1395, 20.8249, 12.3144

Sweetspot

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



19.7065, 20.8256, 47.7812



62.8499, 67.0897, 89.8728



24.4912, 37.2725, 28.1735



13.4796, 14.4072, 19.7920



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



19.7065, 20.8256, 47.7812



29.6059, 30.3077, 84.5253



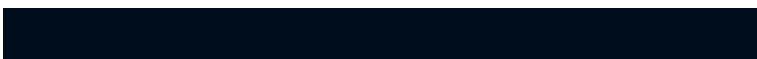
14.8719, 10.9385, 46.1276



8.8640, 9.4053, 11.4276



8.4113, 7.2823, 32.2154



0.3586, 0.3808, 1.1564

Inverse Universe

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



26.3602, 17.3905, 22.7369



43.2689, 25.4706, 32.6010



37.5045, 44.3047, 14.1654



9.1777, 9.0815, 10.2832



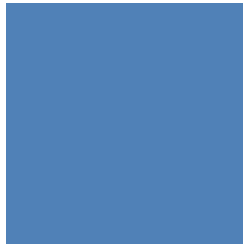
14.8593, 7.5175, 7.1460



0.5551, 0.2775, 0.4168

Previews

White Background



This preview shows how the XYZ color 19.7058, 20.8249, 47.7807 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 19.7058, 20.8249, 47.7807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

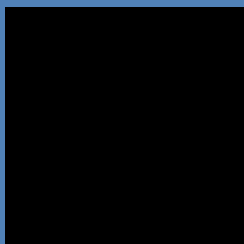
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

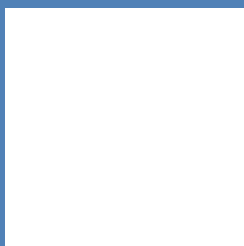
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7058, 20.8249, 47.7807

Background



This preview shows how black text looks on a background with the XYZ color 19.7058, 20.8249, 47.7807.

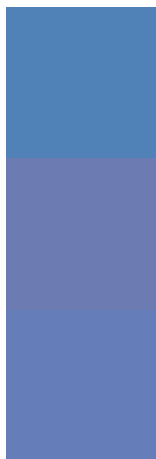


This preview shows how white text looks on a background with the XYZ color 19.7058, 20.8249,

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

19.7058, 20.8249, 47.7807

Protanopia

21.5287, 20.8581, 45.5392

Deuteranopia

21.3522, 20.8946, 48.2551



Tritanopia

16.3174, 20.8732, 30.7727

Trichromacy



Original Color

19.7058, 20.8249, 47.7807

Protanomaly

20.7361, 20.8137, 46.1045

Deuteranomaly

20.6268, 20.7096, 48.2576

Tritanomaly

17.3312, 20.6527, 36.3306

Monochromacy



Original Color

19.7058, 20.8249, 47.7807

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.1856, 19.4931, 29.1896

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7058, 20.8249, 47.7807 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, 129, 183)` looks like.

```
.text, #text, p{  
    color:rgb(80, 129, 183)  
}
```

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, 129, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 129, 183) }
```

Border

The CSS property to change the border of an element to XYZ 19.7058, 20.8249, 47.7807 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, 129, 183) }
```


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

```
.border{ border-color:rgb(80, 129, 183) }
```

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

Here you see how a box with a 4 pixel rgb(80, 129, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 129, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 129, 183);  
box-shadow:4px 4px 4px 4px rgb(80, 129,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 19.7058, 20.8249, 47.7807 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 129, 183) }
```

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

```
.background{ background-color: rgb(80, 129,  
183) }
```

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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