

Converting Colors

XYZ(20.2733, 20.9118, 39.5271)

Have a look what the booklet for
XYZ(20.2733, 20.9118, 39.5271)
contains.

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Color

**XYZ(20.2733, 20.9118,
39.5271)**

Conversions

Conversions Part 1

Format	Color
Hex	687FA7
RGB	104, 127, 167
RGB Percent	41%, 50%, 65%
CMY	0.5921, 0.5020, 0.3451
CMYK	0.38, 0.24, 0.00, 0.35
HSL	218°, 26%, 53%
HSV	218°, 38%, 65%
XYZ	20.2733, 20.9118, 39.5271
YIQ	124.6830, -26.5480, 7.5640

Conversions

Conversions Part 2

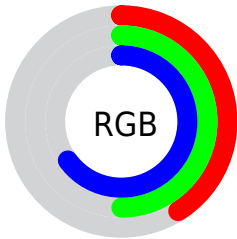
Format	Color
RYB	104, 121, 167
Decimal	6848423
CIELab	52.85, 1.96, -23.96
CIElCh	53, 24.042, 274.686
Yxy	20.9118, 0.2512, 0.2591
Android (android.graphics.Color)	4285038503 (0xFF687FA7)
YUV	124.6830, 20.8623, -18.1390
Hunter-Lab	45.7294, -0.8918, -19.2379

Details

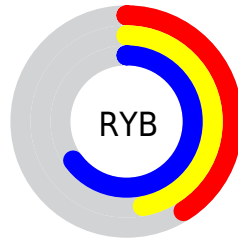
The XYZ color **20.2733, 20.9118, 39.5271** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **28.4087, 29.1619, 17.2288**, and the grayscale version is **19.3256, 20.3321, 22.1416**.

A 20% lighter version of the original color is **43.4107, 45.0845, 75.5214**, and **7.2871, 7.4435, 17.2723** is the 20% darker color. If you saturate the color by 10%, you get **17.2254, 17.4139, 39.0130**, and if you desaturate by 10%, it is **23.8506, 24.8975, 40.1082**.

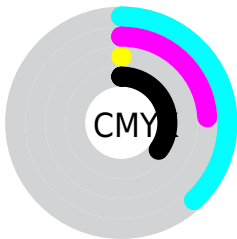
Distribution



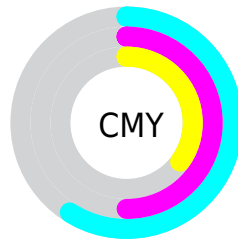
- Red (41%)
- Green (50%)
- Blue (65%)



- Red (41%)
- Yellow (47%)
- Blue (65%)



- Cyan (38%)
- Magenta (24%)
- Yellow (0%)
- Black (35%)



- Cyan (59%)
- Magenta (50%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2733, 20.9118, 39.5271 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 20.2733, 20.9118, 39.5271 by changing the saturation by 10% instead.

■ 20.2733, 20.9118,
39.5271

■ 20.2733, 20.9118,
39.5271

246.1963,
256.8094, 359.6190

■ 12.7033, 13.0595,
26.8590

■ 43.3754, 44.9407,
75.6720

■ 7.3001, 7.4696,
17.2359

■ 59.6381, 61.8861,
99.9860

■ 3.6985, 3.7575,
10.2391

■ 79.5292, 82.6314,
129.0191

■ 1.5330, 1.5388,
5.4501

■ 103.4139,
107.5609, 163.1897

■ 0.3481, 0.3158,
2.4504

131.6576,
137.0591, 202.9165

■ 0.0000, 0.0000,
0.8137

164.6257,

■ 0.0000, 0.0000,

171.5103, 248.6179

0.0000

202.6834,
211.2989, 300.7126

■ 20.2733, 20.9118,
39.5271

■ 20.2733, 20.9118,
39.5271

■ 17.2254, 17.4139,
39.0130

■ 23.8506, 24.8975,
40.1082

■ 14.6776, 14.3808,
38.5618

■ 27.9804, 29.3878,
40.7573

■ 12.6008, 11.7909,
38.1713

■ 32.6869, 34.4017,
41.4770

■ 10.9617, 9.6197,
37.8387

■ 37.9920, 39.9563,
42.2696

■ 9.7218, 7.8399,
37.5605

■ 43.9167, 46.0681,
43.1370

■ 8.8216, 6.4123,
37.3324

■ 50.4808, 52.7525,
44.0812

■ 8.6423, 6.1243,
37.2862

■ 57.7032, 60.0247,
45.1043

■ 65.6021, 67.8991,
46.2078

■ 74.1948, 76.3894,
47.3938

Harmonies

Analogous

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



17.8814, 20.9118, 37.7040



20.2733, 20.9118, 39.5271



22.7536, 20.9118, 36.1441

Triad

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



20.2733, 20.9118, 39.5271



24.1184, 20.9118, 15.7693



15.8214, 20.9118, 17.3518

Complementary

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



20.2733, 20.9118, 39.5271



28.4087, 29.1619, 17.2288

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.



17.2519, 20.9118, 13.1833



20.2733, 20.9118, 39.5271



22.0137, 20.9118, 12.4136

Square

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



20.2733, 20.9118, 39.5271



25.0894, 20.9118, 21.6578



19.4840, 20.9118, 11.5775



15.4401, 20.9118, 23.9184

Rectangle

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



20.2733, 20.9118, 39.5271



24.0839, 20.9118, 31.7387



19.4840, 20.9118, 11.5775



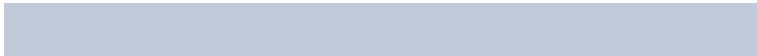
16.1893, 20.9118, 15.6724

Sweetspot

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



20.2740, 20.9126, 39.5276



55.4903, 58.3813, 73.8194



24.5546, 32.5915, 31.3427



12.1709, 12.8021, 16.4817



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.2740, 20.9126, 39.5276



31.8206, 32.3173, 70.0360



18.6591, 16.1623, 38.6958



7.3477, 7.7323, 9.5236



6.6564, 4.7730, 28.5459



0.2107, 0.2136, 0.7108

Inverse Universe

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



24.7180, 19.6490, 22.5693



41.0646, 30.3183, 34.6198



30.5368, 35.9675, 18.4303



7.6401, 7.5859, 8.4219



12.8604, 6.5529, 4.0766



0.3375, 0.1693, 0.2288

Previews

White Background



This preview shows how the XYZ color 20.2733, 20.9118, 39.5271 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 20.2733, 20.9118, 39.5271 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

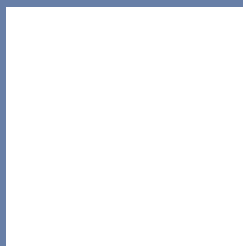
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2733, 20.9118, 39.5271

Background



This preview shows how black text looks on a background with the XYZ color 20.2733, 20.9118, 39.5271.



This preview shows how white text looks on a background with the XYZ color 20.2733, 20.9118,

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

20.2733, 20.9118, 39.5271

Protanopia

21.0694, 20.7768, 38.4971

Deuteranopia

21.3458, 20.8873, 39.9524



Tritanopia

18.1708, 21.0522, 28.6970

Trichromacy



Original Color

20.2733, 20.9118, 39.5271

Protanomaly

20.7721, 20.7999, 38.9964

Deuteranomaly

20.9570, 20.8739, 39.9703

Tritanomaly

18.8241, 20.9090, 32.3219

Monochromacy



Original Color

20.2733, 20.9118, 39.5271

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.5306, 20.5971, 27.7572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2733, 20.9118, 39.5271 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(104, 127, 167)` looks like.

```
.text, #text, p{  
    color:rgb(104, 127, 167)  
}
```

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(104, 127, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 127, 167) }
```

Border

The CSS property to change the border of an element to XYZ 20.2733, 20.9118, 39.5271 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(104, 127, 167) }
```


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

```
.border{ border-color:rgb(104, 127, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 127, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 127, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 127, 167);  
box-shadow:4px 4px 4px 4px rgb(104, 127,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2733, 20.9118, 39.5271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 127, 167) }
```

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

```
.background{ background-color: rgb(104,  
127, 167) }
```

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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