

Converting Colors

XYZ(20.3117, 19.7033, 52.6017)

Have a look what the booklet for
XYZ(20.3117, 19.7033, 52.6017)
contains.

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Color

**XYZ(20.3117, 19.7033,
52.6017)**

Conversions

Conversions Part 1

Format	Color
Hex	567AC0
RGB	86, 122, 192
RGB Percent	34%, 48%, 75%
CMY	0.6627, 0.5216, 0.2471
CMYK	0.55, 0.36, 0.00, 0.25
HSL	220°, 46%, 55%
HSV	220°, 55%, 75%
XYZ	20.3117, 19.7033, 52.6017
YIQ	119.2160, -43.9260, 14.1380

Conversions

Conversions Part 2

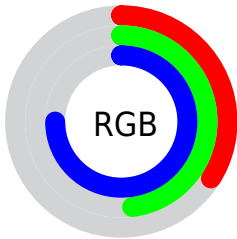
Format	Color
R_{YB}	86, 113, 192
Decimal	5667520
CIE Lab	51.50, 7.98, -40.55
CIE LCh	52, 41.330, 281.137
Yxy	19.7033, 0.2193, 0.2127
Android (android.graphics.Color)	4283857600 (0xFF567AC0)
YUV	119.2160, 35.8825, -29.1304
Hunter-Lab	44.3884, 4.0002, -39.1887

Details

The XYZ color **20.3117, 19.7033, 52.6017** is a dark color, and the websafe version is hex **336699**. The color can be described as middle muted azure. A complement of this color would be **35.3074, 35.6567, 13.8266**, and the grayscale version is **17.5036, 18.4151, 20.0540**.

A 20% lighter version of the original color is **43.3903, 42.8624, 95.6089**, and **7.3247, 6.8813, 24.9869** is the 20% darker color. If you saturate the color by 10%, you get **17.3190, 15.9984, 52.0447**, and if you desaturate by 10%, it is **23.9839, 24.0607, 53.2496**.

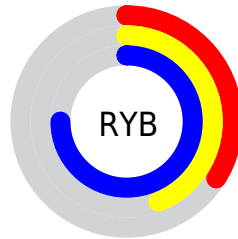
Distribution



Red (34%)

Green (48%)

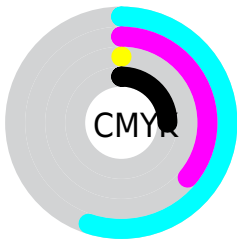
Blue (75%)



Red (34%)

Yellow (44%)

Blue (75%)

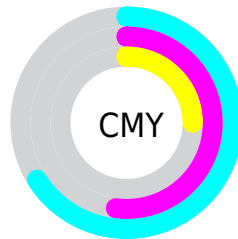


Cyan (55%)

Magenta (36%)

Yellow (0%)

Black (25%)



Cyan (66%)

Magenta (52%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3117, 19.7033, 52.6017 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 20.3117, 19.7033, 52.6017 by changing the saturation by 10% instead.

■ 20.3117, 19.7033,
52.6017

■ 20.3117, 19.7033,
52.6017

246.3991,
250.3044, 413.7780

■ 12.7314, 12.1796,
37.0994

■ 43.4391, 42.9192,
95.4536

■ 7.3196, 6.8661,
24.9880

■ 59.7170, 59.3801,
123.6403

■ 3.7109, 3.3785,
15.8492

■ 79.6247, 79.5889,
156.8921

■ 1.5399, 1.3324,
9.2643

■ 103.5277,
103.9299, 195.6277

■ 0.3527, 0.1661,
4.8148

131.7912,
132.7876, 240.2655

■ 0.0000, 0.0000,
2.0822

164.7808,

■ 0.0000, 0.0000,

166.5463, 291.2241

0.6051

202.8616,
205.5904, 348.9221

■ 0.0000, 0.0000,
0.0000

■ 20.3117, 19.7033,
52.6017

■ 20.3117, 19.7033,
52.6017

■ 17.3190, 15.9984,
52.0447

■ 23.9839, 24.0607,
53.2496

■ 14.9566, 12.9081,
51.5727

■ 28.3753, 29.1010,
53.9910

■ 13.1720, 10.3933,
51.1814

■ 33.5251, 34.8553,
54.8303

■ 11.9010, 8.4078,
50.8651

■ 39.4688, 41.3517,
55.7710

■ 11.4166, 7.6100,
50.7367

■ 46.2398, 48.6169,
56.8164

■ 53.8693, 56.6762,
57.9699

■ 62.3869, 65.5535,
59.2345

■ 71.8208, 75.2720,
60.6131

■ 80.7839, 85.1246,
62.0425

Harmonies

Analogous

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



16.2639, 19.7033, 51.1658



20.3117, 19.7033, 52.6017



24.4837, 19.7033, 43.6823

Triad

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



20.3117, 19.7033, 52.6017



25.4041, 19.7033, 9.6563



12.1448, 19.7033, 14.8800

Complementary

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



20.3117, 19.7033, 52.6017



35.3074, 35.6567, 13.8266

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.



13.9524, 19.7033, 8.4331



20.3117, 19.7033, 52.6017



21.4279, 19.7033, 6.2789

Square

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



20.3117, 19.7033, 52.6017



27.7001, 19.7033, 17.3344



17.2277, 19.7033, 5.9340



11.9375, 19.7033, 26.1784

Rectangle

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



20.3117, 19.7033, 52.6017



26.6225, 19.7033, 34.4861



17.2277, 19.7033, 5.9340



12.5714, 19.7033, 12.2037

Sweetspot

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



20.3125, 19.7040, 52.6022



69.1684, 72.3814, 100.6857



28.5961, 42.0415, 37.5749



14.3594, 15.0061, 21.5249



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



20.3125, 19.7040, 52.6022



30.5046, 27.8691, 94.1318



18.3113, 13.2813, 51.4680



9.8017, 10.2947, 12.7553



7.7475, 5.2515, 34.1619



0.3993, 0.3560, 1.4975

Inverse Universe

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



28.5795, 19.2681, 20.6258



47.4405, 28.7196, 28.2341



38.4571, 47.6134, 15.9685



10.2112, 10.1331, 11.2027



15.3065, 7.8124, 4.2603



0.6939, 0.3506, 0.3556

Previews

White Background



This preview shows how the XYZ color 20.3117, 19.7033, 52.6017 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 20.3117, 19.7033, 52.6017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

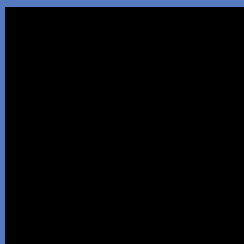
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

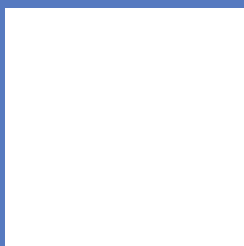
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.3117, 19.7033, 52.6017

Background



This preview shows how black text looks on a background with the XYZ color 20.3117, 19.7033, 52.6017.

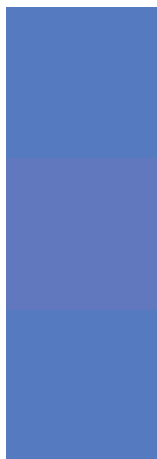


This preview shows how white text looks on a background with the XYZ color 20.3117, 19.7033,

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

20.3117, 19.7033, 52.6017

Protanopia

20.9405, 19.6920, 51.4125

Deuteranopia

20.2203, 19.6561, 52.5975



Tritanopia

15.5931, 19.7146, 28.9701

Trichromacy



Original Color

20.3117, 19.7033, 52.6017

Protanomaly

20.7555, 19.7635, 52.0110

Deuteranomaly

20.2203, 19.6561, 52.5975

Tritanomaly

17.0538, 19.5074, 36.5847

Monochromacy



Original Color

20.3117, 19.7033, 52.6017

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.9682, 18.6341, 29.8438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3117, 19.7033, 52.6017 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(86, 122, 192)` looks like.

```
.text, #text, p{  
    color:rgb(86, 122, 192)  
}
```

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(86, 122, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 122, 192) }
```

Border

The CSS property to change the border of an element to XYZ 20.3117, 19.7033, 52.6017 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(86, 122, 192) }
```


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

```
.border{ border-color:rgb(86, 122, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 122, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 122, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 122, 192);  
box-shadow:4px 4px 4px 4px rgb(86, 122,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3117, 19.7033, 52.6017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 122, 192) }
```

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

```
.background{ background-color: rgb(86, 122,  
192) }
```

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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