

Converting Colors

XYZ(18.4950, 20.1261, 40.3938)

Have a look what the booklet for
XYZ(18.4950, 20.1261, 40.3938)
contains.

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Color

**XYZ(18.5368, 20.1877,
40.4557)**

Conversions

Conversions Part 1

Format	Color
Hex	5480A9
RGB	84, 128, 169
RGB Percent	33%, 50%, 66%
CMY	0.6706, 0.4980, 0.3373
CMYK	0.50, 0.24, 0.00, 0.34
HSL	209°, 34%, 50%
HSV	209°, 50%, 66%
XYZ	18.5368, 20.1877, 40.4557
YIQ	119.5180, -39.3850, 3.4230

Conversions

Conversions Part 2

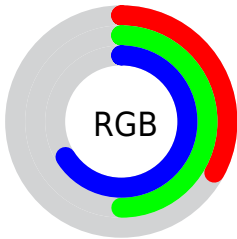
Format	Color
R _Y B	84, 113, 169
Decimal	5537961
CIE Lab	52.05, -3.36, -26.46
CIE LCh	52, 26.668, 262.772
Yxy	20.1877, 0.2341, 0.2550
Android (android.graphics.Color)	4283728041 (0xFF5480A9)
YUV	119.5180, 24.3946, -31.1493
Hunter-Lab	44.9307, -4.9861, -21.9333

Details

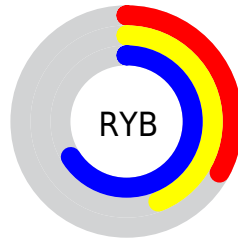
The XYZ color **18.5368, 20.1877, 40.4557** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **25.2969, 23.7434, 11.6382**, and the grayscale version is **17.6334, 18.5517, 20.2028**.

A 20% lighter version of the original color is **40.4597, 43.8328, 76.8491**, and **6.4329, 7.0959, 17.8602** is the 20% darker color. If you saturate the color by 10%, you get **16.1818, 17.4584, 40.0534**, and if you desaturate by 10%, it is **21.3435, 23.2775, 40.9045**.

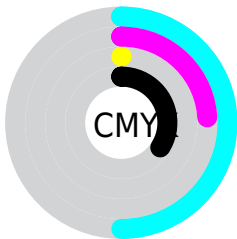
Distribution



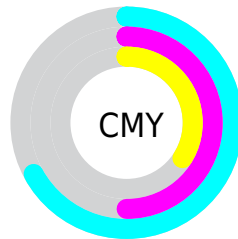
- Red (33%)
- Green (50%)
- Blue (66%)



- Red (33%)
- Yellow (44%)
- Blue (66%)



- Cyan (50%)
- Magenta (24%)
- Yellow (0%)
- Black (34%)



- Cyan (67%)
- Magenta (50%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5368, 20.1877, 40.4557 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 18.5368, 20.1877, 40.4557 by changing the saturation by 10% instead.

■ 18.5368, 20.1877,
40.4557

■ 18.5368, 20.1877,
40.4557

236.8671,
252.9294, 363.6496

■ 11.4381, 12.5316,
27.5775

■ 40.4729, 43.7317,
77.1016

■ 6.4318, 7.1068,
17.7712

■ 56.0409, 60.3883,
101.7064

■ 3.1525, 3.5290,
10.6181

■ 75.1628, 80.8138,
131.0572

■ 1.2349, 1.4137,
5.6997

■ 98.2039, 105.3927,
165.5725

■ 0.1337, 0.2268,
2.5976

■ 125.5295,
134.5093, 205.6709

■ 0.0000, 0.0000,
0.8912

157.5050,

■ 0.0000, 0.0000,

168.5480, 251.7708

0.0000

194.4957,
207.8933, 304.2909

■ 18.5368, 20.1877,
40.4557

■ 18.5368, 20.1877,
40.4557

■ 16.1818, 17.4584,
40.0534

■ 21.3435, 23.2775,
40.9045

■ 14.2479, 15.0697,
39.6943

■ 24.6259, 26.7418,
41.4002

■ 12.7032, 13.0024,
39.3766

■ 28.4084, 30.5964,
41.9449

■ 11.5099, 11.2339,
39.0982

■ 32.7134, 34.8555,
42.5401

■ 10.6088, 9.7591,
38.8610

■ 37.5614, 39.5323,
43.1873

■ 42.9721, 44.6395,
43.8879

■ 48.9640, 50.1892,
44.6433

■ 55.5549, 56.1928,
45.4547

■ 62.7615, 62.6614,
46.3234

Harmonies

Analogous

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



16.1925, 20.1877, 36.2058



18.5368, 20.1877, 40.4557



21.2857, 20.1877, 38.9003

Triad

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



18.5368, 20.1877, 40.4557



24.4294, 20.1877, 16.6748



15.3150, 20.1877, 14.1027

Complementary

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



18.5368, 20.1877, 40.4557



25.2969, 23.7434, 11.6382

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.



17.2325, 20.1877, 10.8547



18.5368, 20.1877, 40.4557



22.5315, 20.1877, 12.0761

Square

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



18.5368, 20.1877, 40.4557



24.8623, 20.1877, 23.9213



19.8539, 20.1877, 10.2123



14.4500, 20.1877, 20.1485

Rectangle

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



18.5368, 20.1877, 40.4557



22.9658, 20.1877, 34.9217



19.8539, 20.1877, 10.2123



15.8487, 20.1877, 12.7120

Sweetspot

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



18.5375, 20.1884, 40.4562



54.6322, 58.5367, 75.6444



21.4619, 31.7081, 23.9485



11.5731, 12.4267, 16.4408



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.



18.5375, 20.1884, 40.4562



28.6838, 30.9115, 71.6798



14.2132, 11.5398, 39.0148



7.4409, 7.9188, 9.5546



7.9605, 7.3811, 28.9806



0.2445, 0.2813, 0.7221

Inverse Universe

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



23.4294, 16.3351, 22.3408



38.7570, 24.4348, 34.0510



31.6294, 36.4086, 13.7490



7.6871, 7.6047, 8.6697



13.5187, 6.8162, 7.5428



0.3546, 0.1761, 0.3187

Previews

White Background



This preview shows how the XYZ color 18.5368, 20.1877, 40.4557 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 18.5368, 20.1877, 40.4557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

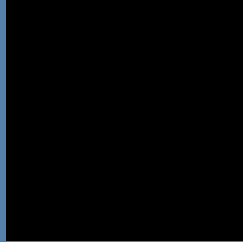
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

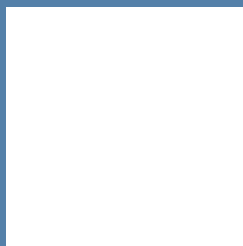
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.5368, 20.1877, 40.4557

Background



This preview shows how black text looks on a background with the XYZ color 18.5368, 20.1877, 40.4557.

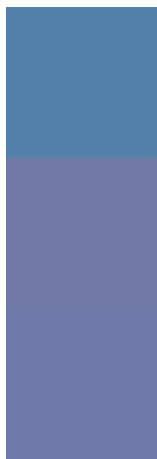


This preview shows how white text looks on a background with the XYZ color 18.5368, 20.1877,

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

18.5368, 20.1877, 40.4557

Protanopia

20.4332, 20.0804, 38.3963

Deuteranopia

20.5219, 20.0726, 40.8230



Tritanopia

16.3259, 20.2947, 29.0434

Trichromacy



Original Color

18.5368, 20.1877, 40.4557

Protanomaly

19.5701, 19.9933, 38.9040

Deuteranomaly

19.7189, 20.0269, 40.8565

Tritanomaly

17.0082, 20.1619, 32.7010

Monochromacy



Original Color

18.5368, 20.1877, 40.4557

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.7338, 19.1267, 26.8019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5368, 20.1877, 40.4557 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(84, 128, 169)` looks like.

```
.text, #text, p{  
    color:rgb(84, 128, 169)  
}
```

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(84, 128, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 128, 169) }
```

Border

The CSS property to change the border of an element to XYZ 18.5368, 20.1877, 40.4557 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(84, 128, 169) }
```


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

```
.border{ border-color:rgb(84, 128, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 128, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 128, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 128, 169);  
box-shadow:4px 4px 4px 4px rgb(84, 128,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5368, 20.1877, 40.4557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 128, 169) }
```

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

```
.background{ background-color: rgb(84, 128,  
169) }
```

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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