

Converting Colors

XYZ(18.7554, 20.7051, 40.2007)

Have a look what the booklet for
XYZ(18.7554, 20.7051, 40.2007)
contains.

XYZ(18.7067, 20.6772, 40.0509)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.7067, 20.6772,
40.0509)**

Conversions

Conversions Part 1

Format	Color
Hex	5482A8
RGB	84, 130, 168
RGB Percent	33%, 51%, 66%
CMY	0.6706, 0.4902, 0.3412
CMYK	0.50, 0.23, 0.00, 0.34
HSL	207°, 33%, 49%
HSV	207°, 50%, 66%
XYZ	18.7067, 20.6772, 40.0509
YIQ	120.5780, -39.6140, 2.0660

Conversions

Conversions Part 2

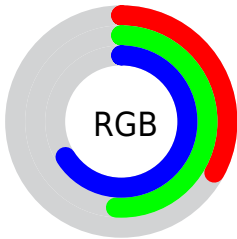
Format	Color
R _Y B	84, 114, 168
Decimal	5538472
CIE Lab	52.59, -4.82, -25.03
CIE LCh	53, 25.495, 259.093
Yxy	20.6772, 0.2355, 0.2603
Android (android.graphics.Color)	4283728552 (0xFF5482A8)
YUV	120.5780, 23.3790, -32.0789
Hunter-Lab	45.4722, -6.1436, -20.3908

Details

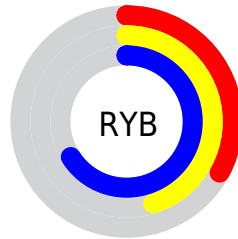
The XYZ color **18.7067, 20.6772, 40.0509** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **24.7090, 22.8850, 11.5034**, and the grayscale version is **17.9749, 18.9110, 20.5941**.

A 20% lighter version of the original color is **40.7340, 44.5980, 76.2734**, and **6.5468, 7.3788, 17.6022** is the 20% darker color. If you saturate the color by 10%, you get **16.4057, 18.0456, 39.6646**, and if you desaturate by 10%, it is **21.4444, 23.6456, 40.4799**.

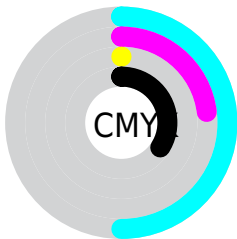
Distribution



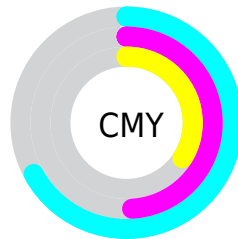
- Red (33%)
- Green (51%)
- Blue (66%)



- Red (33%)
- Yellow (45%)
- Blue (66%)



- Cyan (50%)
- Magenta (23%)
- Yellow (0%)
- Black (34%)



- Cyan (67%)
- Magenta (49%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7067, 20.6772, 40.0509 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 18.7067, 20.6772, 40.0509 by changing the saturation by 10% instead.

■ 18.7067, 20.6772,
40.0509

■ 18.7067, 20.6772,
40.0509

■ 237.7941,
255.5580, 361.8965

■ 11.5613, 12.8883,
27.2641

■ 40.7586, 44.5497,
76.4790

■ 6.5158, 7.3516,
17.5375

■ 56.3958, 61.4020,
100.9573

■ 3.2048, 3.6830,
10.4525

■ 75.5944, 82.0442,
130.1700

■ 1.2630, 1.4978,
5.5905

■ 98.7195, 106.8608,
164.5355

■ 0.1552, 0.2872,
2.5330

■ 126.1368,
136.2361, 204.4723

■ 0.0000, 0.0000,
0.8576

158.2113,

■ 0.0000, 0.0000,

170.5544, 250.3991

0.0000

195.3087,
210.2002, 302.7343

■ 18.7067, 20.6772,
40.0509

■ 18.7067, 20.6772,
40.0509

■ 16.4057, 18.0456,
39.6646

■ 21.4444, 23.6456,
40.4799

■ 14.5115, 15.7319,
39.3179

■ 24.6419, 26.9638,
40.9519

■ 12.9934, 13.7180,
39.0092

■ 28.3230, 30.6467,
41.4687

■ 11.8146, 11.9826,
38.7363

■ 32.5092, 34.7075,
42.0319

■ 10.8952, 10.4817,
38.4951

■ 37.2206, 39.1588,
42.6428

■ 10.8950, 10.4813,
38.4950

■ 42.4761, 44.0124,
43.3026

■ 48.2937, 49.2795,
44.0127

■ 54.6906, 54.9709,
44.7741

■ 61.6831, 61.0971,
45.5880

Harmonies

Analogous

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



16.5084, 20.6772, 35.4082



18.7067, 20.6772, 40.0509



21.3634, 20.6772, 39.2663

Triad

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



18.7067, 20.6772, 40.0509



24.8595, 20.6772, 18.0793



16.0557, 20.6772, 14.2621

Complementary

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



18.7067, 20.6772, 40.0509



24.7090, 22.8850, 11.5034

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.



18.0366, 20.6772, 11.3674



18.7067, 20.6772, 40.0509



23.1737, 20.6772, 13.2053

Square

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



18.7067, 20.6772, 40.0509



25.0798, 20.6772, 25.3829



20.6308, 20.6772, 11.0297



15.0717, 20.6772, 19.8698

Rectangle

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



18.7067, 20.6772, 40.0509



23.0364, 20.6772, 35.8105



20.6308, 20.6772, 11.0297



16.6184, 20.6772, 12.9988

Sweetspot

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



18.7074, 20.6780, 40.0514



54.8665, 59.0052, 75.7225



21.1600, 31.2908, 23.2729



11.6301, 12.5408, 16.4598



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.



18.7074, 20.6780, 40.0514



29.3556, 32.2549, 71.9037



14.2310, 11.7253, 38.5593



7.4594, 7.9558, 9.5608



8.2792, 8.0186, 29.0869



0.2515, 0.2952, 0.7244

Inverse Universe

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



23.3487, 16.2780, 23.0311



39.0960, 24.5704, 35.8364



30.9889, 35.4448, 13.5967



7.6965, 7.6085, 8.7190



13.6796, 6.8805, 8.3900



0.3581, 0.1775, 0.3372

Previews

White Background



This preview shows how the XYZ color 18.7067, 20.6772, 40.0509 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 18.7067, 20.6772, 40.0509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

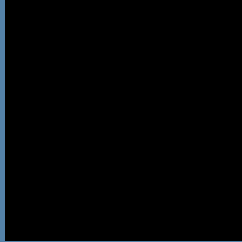
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.7067, 20.6772, 40.0509

Background



This preview shows how black text looks on a background with the XYZ color 18.7067, 20.6772, 40.0509.

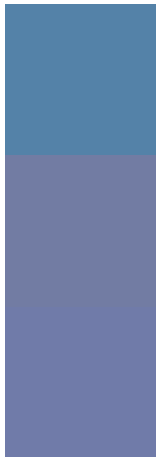


This preview shows how white text looks on a background with the XYZ color 18.7067, 20.6772,

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

18.7067, 20.6772, 40.0509

Protanopia

20.7579, 20.6371, 37.5396

Deuteranopia

20.9265, 20.4752, 40.3853



Tritanopia

16.6164, 20.6310, 29.8945

Trichromacy



Original Color

18.7067, 20.6772, 40.0509

Protanomaly

19.8459, 20.5219, 38.5124

Deuteranomaly

20.1018, 20.6111, 40.4550

Tritanomaly

17.3617, 20.7372, 33.2246

Monochromacy



Original Color

18.7067, 20.6772, 40.0509

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.9794, 19.4384, 26.8491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7067, 20.6772, 40.0509 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, 130, 168)` looks like.

```
.text, #text, p{  
    color:rgb(84, 130, 168)  
}
```

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, 130, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 130, 168) }
```

Border

The CSS property to change the border of an element to XYZ 18.7067, 20.6772, 40.0509 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, 130, 168) }
```


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

```
.border{ border-color:rgb(84, 130, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 130, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 130, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 130, 168);  
box-shadow:4px 4px 4px 4px rgb(84, 130,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7067, 20.6772, 40.0509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 130, 168) }
```

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

```
.background{ background-color: rgb(84, 130,  
168) }
```

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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