

Converting Colors

XYZ(17.9931, 21.6341, 40.2732)

Have a look what the booklet for
XYZ(17.9931, 21.6341, 40.2732)
contains.

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Color

**XYZ(18.0634, 21.7752,
40.2968)**

Conversions

Conversions Part 1

Format	Color
Hex	3F89A8
RGB	63, 137, 168
RGB Percent	25%, 54%, 66%
CMY	0.7529, 0.4627, 0.3412
CMYK	0.62, 0.18, 0.00, 0.34
HSL	198°, 45%, 45%
HSV	198°, 62%, 66%
XYZ	18.0634, 21.7752, 40.2968
YIQ	118.4080, -54.0550, -6.0470

Conversions

Conversions Part 2

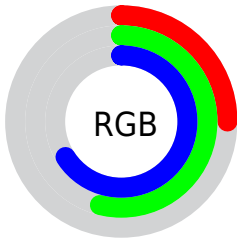
Format	Color
R _Y B	63, 106, 168
Decimal	4164008
CIE Lab	53.79, -13.34, -23.27
CIE LCh	54, 26.822, 240.174
Yxy	21.7752, 0.2254, 0.2717
Android (android.graphics.Color)	4282354088 (0xFF3F89A8)
YUV	118.4080, 24.4489, -48.5928
Hunter-Lab	46.6639, -12.5652, -18.5354

Details

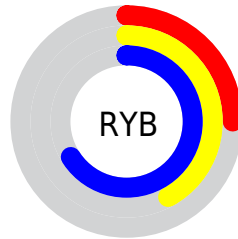
The XYZ color **18.0634, 21.7752, 40.2968** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **21.0490, 16.6900, 6.8154**, and the grayscale version is **17.2863, 18.1866, 19.8052**.

A 20% lighter version of the original color is **39.6179, 46.2196, 76.6452**, and **6.5606, 8.0773, 17.7363** is the 20% darker color. If you saturate the color by 10%, you get **16.4609, 19.9267, 40.0249**, and if you desaturate by 10%, it is **20.0271, 23.8589, 40.5959**.

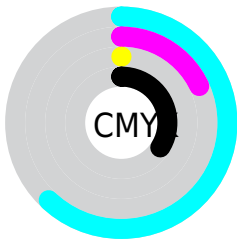
Distribution



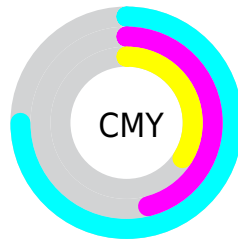
- Red (25%)
- Green (54%)
- Blue (66%)



- Red (25%)
- Yellow (42%)
- Blue (66%)



- Cyan (62%)
- Magenta (18%)
- Yellow (0%)
- Black (34%)



- Cyan (75%)
- Magenta (46%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.0634, 21.7752, 40.2968 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 18.0634, 21.7752, 40.2968 by changing the saturation by 10% instead.

■ 18.0634, 21.7752,
40.2968

■ 18.0634, 21.7752,
40.2968

234.2668,
261.3701, 362.9622

■ 11.0955, 13.6918,
27.4545

■ 39.6746, 46.3742,
76.8573

■ 6.1989, 7.9066,
17.6794

■ 55.0485, 63.6585,
101.4125

■ 3.0082, 4.0353,
10.5530

■ 73.9552, 84.7787,
130.7092

■ 1.1581, 1.6933,
5.6568

■ 96.7599, 110.1190,
165.1657

■ 0.0729, 0.4193,
2.5721

■ 123.8281,
140.0639, 205.2008

■ 0.0000, 0.0000,
0.8780

155.5251,

■ 0.0000, 0.0000,

174.9978, 251.2329

0.0000

192.2162,
215.3051, 303.6805

■ 18.0634, 21.7752,
40.2968

■ 18.0634, 21.7752,
40.2968

■ 16.4609, 19.9267,
40.0249

■ 20.0271, 23.8589,
40.5959

■ 15.1861, 18.2942,
39.7770

■ 22.3774, 26.1901,
40.9220

■ 14.2027, 16.8588,
39.5517

■ 25.1394, 28.7831,
41.2769

■ 13.5937, 15.8786,
39.3946

■ 28.3357, 31.6498,
41.6618

■ 31.9871, 34.8018,
42.0777

■ 36.1129, 38.2494,
42.5257

■ 40.7314, 42.0028,
43.0068

■ 45.8598, 46.0713,
43.5218

■ 51.5144, 50.4639,
44.0716

Harmonies

Analogous

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



16.2699, 21.7752, 32.6055



18.0634, 21.7752, 40.2968



20.7135, 21.7752, 43.3624

Triad

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



18.0634, 21.7752, 40.2968



26.7414, 21.7752, 23.6613



18.0368, 21.7752, 12.4740

Complementary

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



18.0634, 21.7752, 40.2968



21.0490, 16.6900, 6.8154

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.



20.6798, 21.7752, 11.1256



18.0634, 21.7752, 40.2968



25.8613, 21.7752, 16.5994

Square

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



18.0634, 21.7752, 40.2968



25.8809, 21.7752, 32.5022



23.5742, 21.7752, 12.4426



16.2556, 21.7752, 16.6654

Rectangle

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



18.0634, 21.7752, 40.2968



22.6654, 21.7752, 41.9238



23.5742, 21.7752, 12.4426



18.8454, 21.7752, 11.7234

Sweetspot

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



18.0641, 21.7760, 40.2973



53.4141, 59.1767, 75.8321



18.0179, 29.8485, 15.1105



11.2617, 12.5659, 16.4840



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.



18.0641, 21.7760, 40.2973



28.9056, 34.9655, 72.4506



12.4264, 10.5005, 38.4181



7.5577, 8.1524, 9.5936



10.3113, 12.0828, 29.7642



0.2920, 0.3763, 0.7379

Inverse Universe

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



22.4419, 13.6867, 25.1266



37.9876, 20.7528, 40.4020



27.2099, 29.0117, 8.8691



7.7461, 7.6283, 8.9802



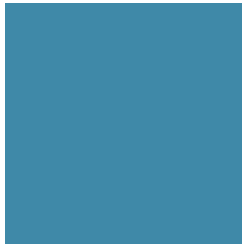
14.7053, 7.2908, 13.7913



0.3785, 0.1857, 0.4449

Previews

White Background



This preview shows how the XYZ color 18.0634, 21.7752, 40.2968 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 18.0634, 21.7752, 40.2968 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 18.0634, 21.7752, 40.2968

Background



This preview shows how black text looks on a background with the XYZ color 18.0634, 21.7752, 40.2968.

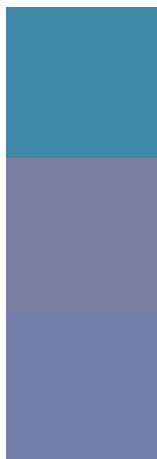


This preview shows how white text looks on a background with the XYZ color 18.0634, 21.7752,

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

18.0634, 21.7752, 40.2968

Protanopia

21.6803, 21.7099, 36.3055

Deuteranopia

22.0527, 21.6059, 41.0383



Tritanopia

16.5395, 21.8028, 32.6148

Trichromacy



Original Color

18.0634, 21.7752, 40.2968

Protanomaly

19.8727, 21.5296, 37.7586

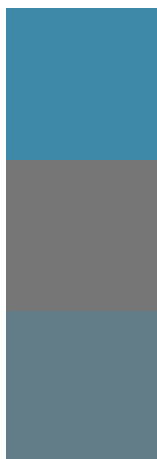
Deuteranomaly

20.0738, 21.3712, 40.6032

Tritanomaly

17.0633, 21.7991, 35.2066

Monochromacy



Original Color

18.0634, 21.7752, 40.2968

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.8146, 19.0415, 26.0817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0634, 21.7752, 40.2968 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(63, 137, 168)` looks like.

```
.text, #text, p{  
  color:rgb(63, 137, 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(63, 137, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 137, 168) }
```

Border

The CSS property to change the border of an element to XYZ 18.0634, 21.7752, 40.2968 is called "border". The border property can be set on classes, ids or directly on the HTML element.

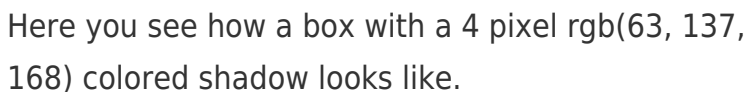
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(63, 137, 168) }
```


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

```
.border{ border-color:rgb(63, 137, 168) }
```

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



Here you see how a box with a 4 pixel `rgb(63, 137, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 137, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 137, 168);  
box-shadow:4px 4px 4px 4px rgb(63, 137,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 18.0634, 21.7752, 40.2968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 137, 168) }
```

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

```
.background{ background-color: rgb(63, 137,  
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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