

Converting Colors

XYZ(19.7186, 21.8063, 52.6053)

Have a look what the booklet for
XYZ(19.7186, 21.8063, 52.6053)
contains.

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Color

**XYZ(19.6164, 21.6816,
52.4413)**

Conversions

Conversions Part 1

Format	Color
Hex	3986BF
RGB	57, 134, 191
RGB Percent	22%, 53%, 75%
CMY	0.7764, 0.4745, 0.2510
CMYK	0.70, 0.30, 0.00, 0.25
HSL	206°, 54%, 49%
HSV	206°, 70%, 75%
XYZ	19.6164, 21.6816, 52.4413
YIQ	117.4750, -64.1890, 1.4030

Conversions

Conversions Part 2

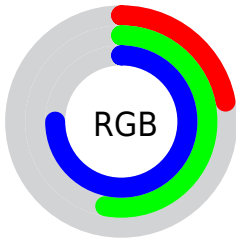
Format	Color
R _Y B	57, 106, 191
Decimal	3770047
CIE Lab	53.69, -4.90, -36.62
CIE LCh	54, 36.947, 262.385
Yxy	21.6816, 0.2093, 0.2313
Android (android.graphics.Color)	4281960127 (0xFF3986BF)
YUV	117.4750, 36.2478, -53.0366
Hunter-Lab	46.5635, -6.2872, -34.1798

Details

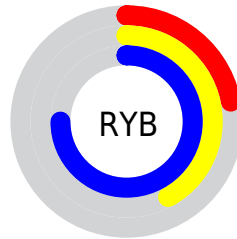
The XYZ color **19.6164, 21.6816, 52.4413** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **28.2430, 23.4084, 6.9017**, and the grayscale version is **16.9621, 17.8454, 19.4337**.

A 20% lighter version of the original color is **42.3214, 46.2399, 95.5016**, and **7.7639, 8.3031, 24.8604** is the 20% darker color. If you saturate the color by 10%, you get **17.6451, 19.0621, 52.0400**, and if you desaturate by 10%, it is **22.0850, 24.6863, 52.8916**.

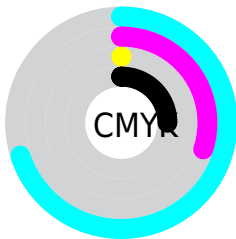
Distribution



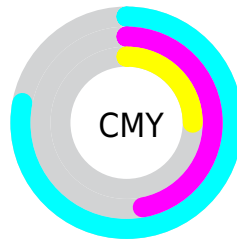
- Red (22%)
- Green (53%)
- Blue (75%)



- Red (22%)
- Yellow (42%)
- Blue (75%)



- Cyan (70%)
- Magenta (30%)
- Yellow (0%)
- Black (25%)



- Cyan (78%)
- Magenta (47%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6164, 21.6816, 52.4413 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 19.6164, 21.6816, 52.4413 by changing the saturation by 10% instead.

■ 19.6164, 21.6816,
52.4413

■ 19.6164, 21.6816,
52.4413

242.7042,
260.8790, 413.1432

■ 12.2232, 13.6231,
36.9723

■ 42.2820, 46.2192,
95.2149

■ 6.9691, 7.8590,
24.8904

■ 58.2850, 63.4671,
123.3566

■ 3.4890, 4.0049,
15.7771

■ 77.8887, 84.5469,
156.5596

■ 1.4173, 1.6763,
9.2140

■ 101.4584,
109.8431, 195.2425

■ 0.2685, 0.4082,
4.7823

■ 129.3594,
139.7400, 239.8238

■ 0.0000, 0.0000,
2.0636

161.9571,

■ 0.0000, 0.0000,

174.6220, 290.7219

0.5940

199.6169,
214.8735, 348.3556

■ 0.0000, 0.0000,
0.0000

■ 19.6164, 21.6816,
52.4413

■ 19.6164, 21.6816,
52.4413

■ 17.6451, 19.0621,
52.0400

■ 22.0850, 24.6863,
52.8916

■ 16.1181, 16.7965,
51.6832

■ 25.0916, 28.0988,
53.3918

■ 14.9531, 14.8597,
51.3708

■ 28.6749, 31.9422,
53.9448

■ 32.8692, 36.2367,
54.5527

■ 37.7059, 41.0011,
55.2174

■ 43.2140, 46.2528,
55.9407

■ 49.4208, 52.0082,
56.7245

■ 56.3520, 58.2830,
57.5703

■ 64.0318, 65.0919,
58.4798

Harmonies

Analogous

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



16.3062, 21.6816, 45.4020



19.6164, 21.6816, 52.4413



23.6415, 21.6816, 50.0128

Triad

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



19.6164, 21.6816, 52.4413



28.4690, 21.6816, 16.2471



15.1519, 21.6816, 12.6540

Complementary

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



19.6164, 21.6816, 52.4413



28.2430, 23.4084, 6.9017

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.



17.8453, 21.6816, 8.6535



19.6164, 21.6816, 52.4413



25.6061, 21.6816, 10.2173

Square

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



19.6164, 21.6816, 52.4413



29.1012, 21.6816, 26.6126



21.6319, 21.6816, 7.9323



13.9520, 21.6816, 20.8377

Rectangle

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



19.6164, 21.6816, 52.4413



26.1707, 21.6816, 43.6237



21.6319, 21.6816, 7.9323



15.8949, 21.6816, 10.8986

Sweetspot

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



19.6172, 21.6823, 52.4418



66.4473, 72.3810, 98.7479



23.2904, 39.3207, 21.9373



14.0421, 15.3577, 21.6095



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.



19.6172, 21.6823, 52.4418



30.0933, 31.9637, 92.8627



13.1696, 8.7871, 50.2926



9.4593, 10.1110, 12.1253



9.9080, 9.9278, 33.7870



0.4517, 0.5160, 1.3447

Inverse Universe

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



27.2528, 15.7249, 24.1536



45.4808, 23.8290, 34.9870



38.5127, 43.9478, 10.3250



9.7537, 9.6258, 11.0920



16.0019, 8.0319, 10.5695



0.6589, 0.3275, 0.5830

Previews

White Background



This preview shows how the XYZ color 19.6164, 21.6816, 52.4413 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 19.6164, 21.6816, 52.4413 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 19.6164, 21.6816, 52.4413

Background



This preview shows how black text looks on a background with the XYZ color 19.6164, 21.6816, 52.4413.

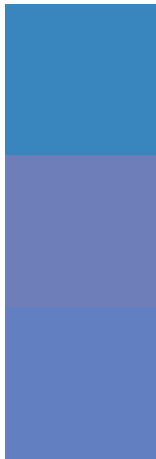


This preview shows how white text looks on a background with the XYZ color 19.6164, 21.6816,

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

19.6164, 21.6816, 52.4413

Protanopia

22.4193, 21.6336, 48.3415

Deuteranopia

22.1448, 21.5704, 53.4484



Tritanopia

15.7266, 21.5827, 33.4740

Trichromacy



Original Color

19.6164, 21.6816, 52.4413

Protanomaly

21.0363, 21.4620, 50.0476

Deuteranomaly

20.9767, 21.5649, 52.9260

Tritanomaly

16.8629, 21.3790, 39.7970

Monochromacy



Original Color

19.6164, 21.6816, 52.4413

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.8363, 18.6124, 29.0907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6164, 21.6816, 52.4413 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(57, 134, 191)` looks like.

```
.text, #text, p{  
    color:rgb(57, 134, 191)  
}
```

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(57, 134, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 134, 191) }
```

Border

The CSS property to change the border of an element to XYZ 19.6164, 21.6816, 52.4413 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(57, 134, 191) }
```


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

```
.border{ border-color:rgb(57, 134, 191) }
```

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

Here you see how a box with a 4 pixel rgb(57, 134, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 134, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 134, 191);  
box-shadow:4px 4px 4px 4px rgb(57, 134,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6164, 21.6816, 52.4413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 134, 191) }
```

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

```
.background{ background-color: rgb(57, 134,  
191) }
```

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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