

Converting Colors

XYZ(17.4532, 19.3635, 52.0547)

Have a look what the booklet for
XYZ(17.4532, 19.3635, 52.0547)
contains.

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Color

**XYZ(17.4765, 19.3821,
52.1102)**

Conversions

Conversions Part 1

Format	Color
Hex	1780BF
RGB	23, 128, 191
RGB Percent	9%, 50%, 75%
CMY	0.9097, 0.4980, 0.2510
CMYK	0.88, 0.33, 0.00, 0.25
HSL	203°, 78%, 42%
HSV	203°, 88%, 75%
XYZ	17.4765, 19.3821, 52.1102
YIQ	103.7870, -82.8030, -2.6670

Conversions

Conversions Part 2

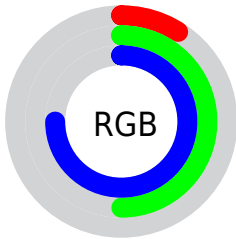
Format	Color
R_{YB}	23, 88, 191
Decimal	1540287
CIE _{Lab}	51.13, -5.04, -40.70
CIE _{LCh}	51, 41.008, 262.943
Yxy	19.3821, 0.1964, 0.2179
Android (android.graphics.Color)	4279730367 (0xFF1780BF)
YUV	103.7870, 42.9960, -70.8502
Hunter-Lab	44.0251, -6.1854, -39.3609

Details

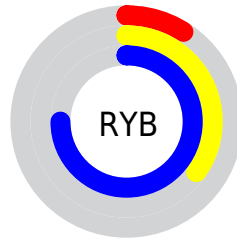
The XYZ color **17.4765, 19.3821, 52.1102** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **24.9704, 17.7974, 2.9309**, and the grayscale version is **13.0079, 13.6853, 14.9033**.

A 20% lighter version of the original color is **38.8340, 42.5918, 94.9812**, and **7.3113, 7.3981, 24.7095** is the 20% darker color. If you saturate the color by 10%, you get **16.2708, 17.4223, 51.7959**, and if you desaturate by 10%, it is **19.0509, 21.6304, 52.4616**.

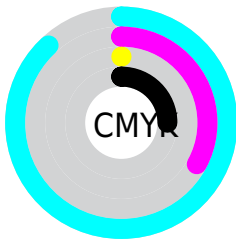
Distribution



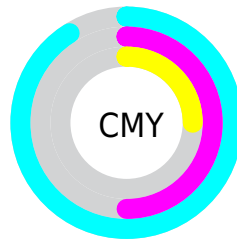
- Red (9%)
- Green (50%)
- Blue (75%)



- Red (9%)
- Yellow (35%)
- Blue (75%)



- Cyan (88%)
- Magenta (33%)
- Yellow (0%)
- Black (25%)



- Cyan (91%)
- Magenta (50%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.4765, 19.3821, 52.1102 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 17.4765, 19.3821, 52.1102 by changing the saturation by 10% instead.

■ 17.4765, 19.3821,
52.1102

■ 17.4765, 19.3821,
52.1102

231.0066,
248.5501, 411.8309

■ 10.6722, 11.9467,
36.7101

■ 38.6804, 42.3788,
94.7220

■ 5.9125, 6.7074,
24.6891

■ 53.8106, 58.7088,
122.7707

■ 2.8321, 3.2798,
15.6286

■ 72.4470, 78.7726,
155.8727

■ 1.0656, 1.2795,
9.1103

■ 94.9547, 102.9544,
194.4466

■ 0.0000, 0.1252,
4.7154

■ 121.6992,
131.6386, 238.9108

■ 0.0000, 0.0000,
2.0254

■ 153.0457,

■ 0.0000, 0.0000,

165.2097, 289.6839

0.5709

189.3598,
204.0521, 347.1844

■ 0.0000, 0.0000,
0.0000

■ 17.4765, 19.3821,
52.1102

■ 17.4765, 19.3821,
52.1102

■ 16.2708, 17.4223,
51.7959

■ 19.0509, 21.6304,
52.4616

■ 16.0446, 17.0428,
51.7346

■ 21.0641, 24.2046,
52.8524

■ 23.5649, 27.1319,
53.2856

■ 26.5945, 30.4354,
53.7635

■ 30.1893, 34.1357,
54.2883

■ 34.3823, 38.2516,
54.8618

■ 39.2038, 42.8003,
55.4856

■ 44.6820, 47.7981,
56.1616

■ 50.8431, 53.2601,
56.8911

Harmonies

Analogous

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



14.0938, 19.3821, 44.5433



17.4765, 19.3821, 52.1102



21.6471, 19.3821, 49.2335

Triad

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



17.4765, 19.3821, 52.1102



26.6172, 19.3821, 13.5118



12.8518, 19.3821, 10.2671

Complementary

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



17.4765, 19.3821, 52.1102



24.9704, 17.7974, 2.9309

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.



15.5345, 19.3821, 6.4537



17.4765, 19.3821, 52.1102



23.5565, 19.3821, 7.7872

Square

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



17.4765, 19.3821, 52.1102



27.3397, 19.3821, 23.9814



19.4012, 19.3821, 5.7525



11.6911, 19.3821, 18.4662

Rectangle

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



17.4765, 19.3821, 52.1102



24.2898, 19.3821, 42.1513



19.4012, 19.3821, 5.7525



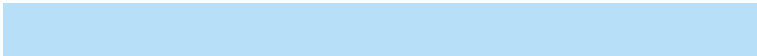
13.5847, 19.3821, 8.5740

Sweetspot

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



17.4772, 19.3827, 52.1107



62.8296, 69.7077, 98.4226



20.6092, 38.0941, 14.7809



13.1778, 14.7114, 21.5303



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.



17.4772, 19.3827, 52.1107



28.4946, 30.0411, 92.5758



10.7124, 5.8530, 49.8557



9.4997, 10.1917, 12.1387



10.6236, 11.3590, 34.0255



0.4771, 0.5668, 1.3531

Inverse Universe

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



25.6892, 13.2487, 21.6258



44.3627, 22.1904, 32.7720



35.7552, 39.3670, 6.5259



9.7741, 9.6339, 11.1993



16.3631, 8.1764, 12.4715



0.6717, 0.3326, 0.6504

Previews

White Background



This preview shows how the XYZ color 17.4765, 19.3821, 52.1102 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 17.4765, 19.3821, 52.1102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

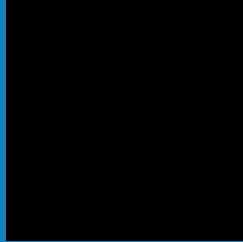
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.4765, 19.3821, 52.1102

Background



This preview shows how black text looks on a background with the XYZ color 17.4765, 19.3821, 52.1102.

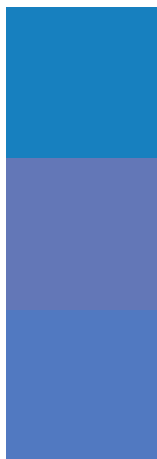


This preview shows how white text looks on a background with the XYZ color 17.4765, 19.3821,

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

17.4765, 19.3821, 52.1102

Protanopia

20.2897, 19.2652, 47.4489

Deuteranopia

19.8564, 19.2743, 53.1259

Trichromacy



Original Color

17.4765, 19.3821, 52.1102

Protanomaly

18.4210, 18.8038, 49.1130

Deuteranomaly

18.5856, 19.1817, 52.5921

Monochromacy



Original Color

17.4765, 19.3821, 52.1102

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.2507, 15.0837, 25.5056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.4765, 19.3821, 52.1102 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(23, 128, 191)` looks like.

```
.text, #text, p{  
    color:rgb(23, 128, 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(23, 128, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 128, 191) }
```

Border

The CSS property to change the border of an element to XYZ 17.4765, 19.3821, 52.1102 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(23, 128, 191) }
```

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

```
.border{ border-color:rgb(23, 128, 191) }
```

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

Here you see how a box with a 4 pixel rgb(23, 128, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 128, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 128, 191);  
box-shadow:4px 4px 4px 4px rgb(23, 128,  
191) }
```


Background

The CSS property to change the background color of an element to XYZ 17.4765, 19.3821, 52.1102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 128, 191) }
```

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

```
.background{ background-color: rgb(23, 128,  
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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