

Converting Colors

XYZ(5.0527, 13.5869, 53.8611)

Have a look what the booklet for
XYZ(5.0527, 13.5869, 53.8611)
contains.

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Color

**XYZ(17.9666, 20.1727,
54.5765)**

Conversions

Conversions Part 1

Format	Color
Hex	0083C3
RGB	0, 131, 195
RGB Percent	0%, 51%, 76%
CMY	0.9998, 0.4863, 0.2353
CMYK	1.00, 0.33, 0.00, 0.24
HSL	200°, 100%, 38%
HSV	200°, 100%, 76%
XYZ	17.9666, 20.1727, 54.5765
YIQ	99.1270, -98.6200, -7.8680

Conversions

Conversions Part 2

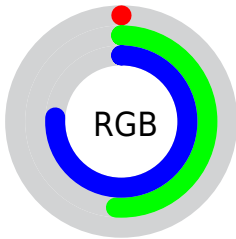
Format	Color
RYB	0, 78, 195
Decimal	33731
CIELab	52.03, -6.29, -41.57
CIELCh	52, 42.047, 261.401
Yxy	20.1727, 0.1938, 0.2176
Android (android.graphics.Color)	4278223811 (0xFF0083C3)
YUV	99.1270, 47.2654, -86.9344
Hunter-Lab	44.9140, -7.1956, -40.6054

Details

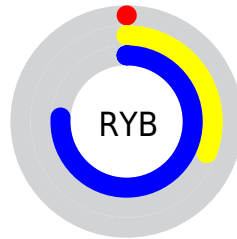
The XYZ color **17.9666, 20.1727, 54.5765** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **24.3418, 15.2736, 1.6663**, and the grayscale version is **11.7975, 12.4119, 13.5165**.

A 20% lighter version of the original color is **39.5350, 43.7961, 98.4652**, and **7.8250, 7.9577, 26.3229** is the 20% darker color. If you saturate the color by 10%, you get **17.9651, 20.1695, 54.5764**, and if you desaturate by 10%, it is **19.1326, 22.0901, 54.8856**.

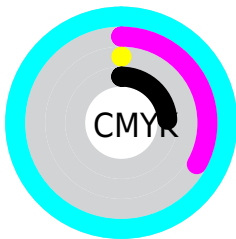
Distribution



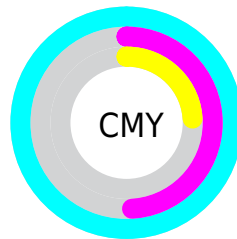
- Red (0%)
- Green (51%)
- Blue (76%)



- Red (0%)
- Yellow (31%)
- Blue (76%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (24%)



- Cyan (100%)
- Magenta (49%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9666, 20.1727, 54.5765 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 17.9666, 20.1727, 54.5765 by changing the saturation by 10% instead.

■ 17.9666, 20.1727,
54.5765

■ 17.9666, 20.1727,
54.5765

■ 233.7319,
252.8485, 421.5412

■ 11.0256, 12.5206,
38.6664

■ 39.5109, 43.7065,
98.3851

■ 6.1514, 7.0993,
26.1945

■ 54.8449, 60.3571,
127.1207

■ 2.9789, 3.5243,
16.7421

■ 73.7073, 80.7760,
160.9686

■ 1.1426, 1.4112,
9.8908

■ 96.4634, 105.3475,
200.3474

■ 0.0603, 0.2249,
5.2220

■ 123.4785,
134.4562, 245.6754

■ 0.0000, 0.0000,
2.3171

■ 155.1181,

■ 0.0000, 0.0000,

168.4863, 297.3714

0.7408

191.7474,
207.8223, 355.8538

■ 0.0000, 0.0000,
0.0000

■ 17.9666, 20.1727,
54.5765

■ 17.9666, 20.1727,
54.5765

■ 17.9651, 20.1695,
54.5764

■ 19.1326, 22.0901,
54.8856

■ 20.6322, 24.2594,
55.2253

■ 22.5661, 26.7342,
55.6010

■ 24.9862, 29.5426,
56.0155

■ 27.9366, 32.7085,
56.4711

■ 31.4563, 36.2533,
56.9698

■ 35.5801, 40.1962,
57.5135

■ 40.3401, 44.5549,
58.1040

■ 45.7659, 49.3458,
58.7427

Harmonies

Analogous

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



14.4746, 20.1727, 46.0802



17.9666, 20.1727, 54.5765



22.3433, 20.1727, 52.1138

Triad

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



17.9666, 20.1727, 54.5765



27.9235, 20.1727, 14.4237



13.4230, 20.1727, 10.2782

Complementary

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



17.9666, 20.1727, 54.5765



24.3418, 15.2736, 1.6663

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.



16.3187, 20.1727, 6.4957



17.9666, 20.1727, 54.5765



24.7931, 20.1727, 8.1929

Square

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



17.9666, 20.1727, 54.5765



28.5395, 20.1727, 25.6891



20.4334, 20.1727, 5.9092



12.1200, 20.1727, 18.6188

Rectangle

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



17.9666, 20.1727, 54.5765



25.1616, 20.1727, 44.8741



20.4334, 20.1727, 5.9092



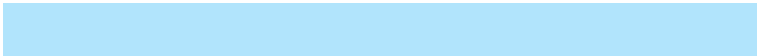
14.2199, 20.1727, 8.5837

Sweetspot

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



17.9674, 20.1733, 54.5770



63.3390, 71.6311, 102.9577



20.3792, 39.3762, 11.0519



13.1504, 15.0053, 22.4532



0.0000, 0.0000, 0.0000



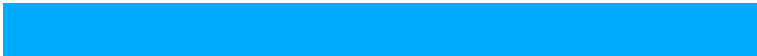
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.9674, 20.1733, 54.5770



31.9379, 35.6484, 97.6673



10.4753, 5.1891, 52.0797



10.0809, 10.8531, 12.8484



11.7556, 13.2677, 35.4980



0.5687, 0.6948, 1.5540

Inverse Universe

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



26.6031, 13.2418, 22.6269



47.5239, 23.6659, 39.8845



34.9486, 36.4874, 5.2020



10.3521, 10.1895, 11.9448



17.3297, 8.6216, 14.9140



0.7794, 0.3848, 0.8059

Previews

White Background



This preview shows how the XYZ color 17.9666, 20.1727, 54.5765 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 17.9666, 20.1727, 54.5765 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 17.9666, 20.1727, 54.5765

Background



This preview shows how black text looks on a background with the XYZ color 17.9666, 20.1727, 54.5765.

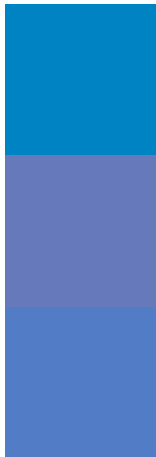


This preview shows how white text looks on a background with the XYZ color 17.9666, 20.1727,

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

17.9666, 20.1727, 54.5765

Protanopia

21.1738, 20.0293, 49.7638

Deuteranopia

20.7654, 20.2404, 55.6357



Tritanopia

14.2121, 19.9979, 30.7147

Trichromacy



Original Color

17.9666, 20.1727, 54.5765

Protanomaly

18.7422, 19.4749, 51.4864

Deuteranomaly

18.9694, 19.8943, 55.0648

Tritanomaly

15.3648, 20.0083, 38.1741

Monochromacy



Original Color

17.9666, 20.1727, 54.5765

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.0374, 14.1469, 24.6504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9666, 20.1727, 54.5765 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(0, 131, 195)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 195)  
}
```

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(0, 131, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 195) }
```

Border

The CSS property to change the border of an element to XYZ 17.9666, 20.1727, 54.5765 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(0, 131, 195) }
```


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

```
.border{ border-color:rgb(0, 131, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 131, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 195);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9666, 20.1727, 54.5765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 195) }
```

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

```
.background{ background-color: rgb(0, 131,  
195) }
```

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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