

Converting Colors

XYZ(15.5589, 18.4353, 51.6398)

Have a look what the booklet for
XYZ(15.5589, 18.4353, 51.6398)
contains.

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Color

**XYZ(17.0134, 19.1560,
51.5160)**

Conversions

Conversions Part 1

Format	Color
Hex	0080BE
RGB	0, 128, 190
RGB Percent	0%, 50%, 75%
CMY	0.9999, 0.4980, 0.2549
CMYK	1.00, 0.33, 0.00, 0.25
HSL	200°, 100%, 37%
HSV	200°, 100%, 75%
XYZ	17.0134, 19.1560, 51.5160
YIQ	96.7960, -96.1900, -7.8540

Conversions

Conversions Part 2

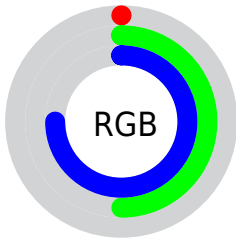
Format	Color
RYB	0, 76, 190
Decimal	32958
CIELab	50.87, -6.44, -40.55
CIELCh	51, 41.061, 260.973
Yxy	19.1560, 0.1940, 0.2185
Android (android.graphics.Color)	4278223038 (0xFF0080BE)
YUV	96.7960, 45.9496, -84.8901
Hunter-Lab	43.7676, -7.2064, -39.1492

Details

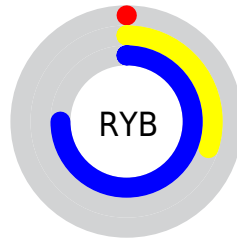
The XYZ color **17.0134, 19.1560, 51.5160** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **22.9603, 14.3966, 1.5698**, and the grayscale version is **11.2231, 11.8076, 12.8585**.

A 20% lighter version of the original color is **38.0317, 42.1960, 94.1359**, and **7.2399, 7.3695, 24.3334** is the 20% darker color. If you saturate the color by 10%, you get **17.0121, 19.1532, 51.5159**, and if you desaturate by 10%, it is **18.1167, 20.9627, 51.8070**.

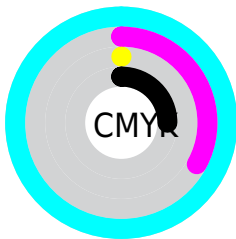
Distribution



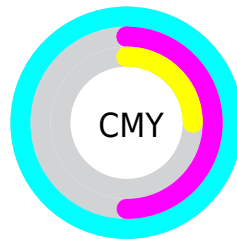
- Red (0%)
- Green (50%)
- Blue (75%)



- Red (0%)
- Yellow (30%)
- Blue (75%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (50%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0134, 19.1560, 51.5160 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 17.0134, 19.1560, 51.5160 by changing the saturation by 10% instead.

■ 17.0134, 19.1560,
51.5160

■ 17.0134, 19.1560,
51.5160

■ 228.4043,
247.3086, 409.4689

■ 10.3394, 11.7831,
36.2399

■ 37.8922, 41.9975,
93.8363

■ 5.6886, 6.5961,
24.3283

■ 52.8278, 58.2349,
121.7176

■ 2.6955, 3.2108,
15.3629

■ 71.2479, 78.1959,
154.6377

■ 0.9949, 1.2428,
8.9250

■ 93.5179, 102.2649,
193.0151

■ 0.0000, 0.0962,
4.5962

■ 120.0032,
130.8262, 237.2684

■ 0.0000, 0.0000,
1.9578

■ 151.0691,

■ 0.0000, 0.0000,

164.2644, 287.8161

0.5291

187.0811,
202.9637, 345.0767

■ 0.0000, 0.0000,
0.0000

■ 17.0134, 19.1560,
51.5160

■ 17.0134, 19.1560,
51.5160

■ 17.0121, 19.1532,
51.5159

■ 18.1167, 20.9627,
51.8070

■ 19.5322, 23.0048,
52.1266

■ 21.3562, 25.3334,
52.4799

■ 23.6373, 27.9748,
52.8695

■ 26.4170, 30.9514,
53.2975

■ 29.7315, 34.2832,
53.7659

■ 33.6136, 37.9882,
54.2765

■ 38.0934, 42.0829,
54.8307

■ 43.1987, 46.5828,
55.4302

Harmonies

Analogous

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



13.7338, 19.1560, 43.4015



17.0134, 19.1560, 51.5160



21.1368, 19.1560, 49.3536

Triad

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



17.0134, 19.1560, 51.5160



26.4824, 19.1560, 13.8547



12.8066, 19.1560, 9.7367

Complementary

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



17.0134, 19.1560, 51.5160



22.9603, 14.3966, 1.5698

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.



15.5616, 19.1560, 6.2018



17.0134, 19.1560, 51.5160



23.5597, 19.1560, 7.8935

Square

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



17.0134, 19.1560, 51.5160



27.0241, 19.1560, 24.5532



19.4556, 19.1560, 5.6822



11.5527, 19.1560, 17.5528

Rectangle

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



17.0134, 19.1560, 51.5160



23.8009, 19.1560, 42.6134



19.4556, 19.1560, 5.6822



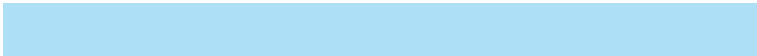
13.5667, 19.1560, 8.1507

Sweetspot

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



17.0141, 19.1566, 51.5165



60.5310, 68.4833, 98.3074



19.2348, 37.1558, 10.4597



12.6090, 14.3934, 21.4989



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.



17.0141, 19.1566, 51.5165



30.5919, 34.2356, 93.2749



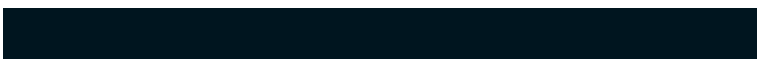
9.8919, 4.9121, 49.1424



9.5390, 10.2703, 12.1518



11.3859, 12.8834, 34.2796



0.5032, 0.6190, 1.3618

Inverse Universe

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



25.1322, 12.5066, 21.5119



45.4213, 22.6139, 38.3465



32.9860, 34.4480, 4.9117



9.7939, 9.6419, 11.3037



16.7478, 8.3303, 14.4975



0.6849, 0.3379, 0.7199

Previews

White Background



This preview shows how the XYZ color 17.0134, 19.1560, 51.5160 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 17.0134, 19.1560, 51.5160 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 17.0134, 19.1560, 51.5160

Background



This preview shows how black text looks on a background with the XYZ color 17.0134, 19.1560, 51.5160.

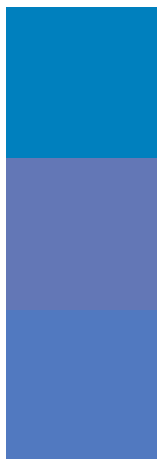


This preview shows how white text looks on a background with the XYZ color 17.0134, 19.1560,

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

17.0134, 19.1560, 51.5160

Protanopia

20.1859, 19.2237, 46.9026

Deuteranopia

19.7451, 19.2298, 52.5402



Tritanopia

13.5591, 19.0638, 29.3506

Trichromacy



Original Color

17.0134, 19.1560, 51.5160

Protanomaly

17.7664, 18.4786, 48.5293

Deuteranomaly

18.0278, 18.9070, 51.9895

Tritanomaly

14.6843, 19.0757, 36.6263

Monochromacy



Original Color

17.0134, 19.1560, 51.5160

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.4459, 13.3880, 23.4536

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0134, 19.1560, 51.5160 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, 128, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 128, 190)  
}
```

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, 128, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 128, 190) }
```

Border

The CSS property to change the border of an element to XYZ 17.0134, 19.1560, 51.5160 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, 128, 190) }
```


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

```
.border{ border-color:rgb(0, 128, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 128, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 128, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 128, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 128,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0134, 19.1560, 51.5160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 128, 190) }
```

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

```
.background{ background-color: rgb(0, 128,  
190) }
```

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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