

Converting Colors

XYZ(17.2232, 19.1853, 48.1419)

Have a look what the booklet for
XYZ(17.2232, 19.1853, 48.1419)
contains.

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Color

**XYZ(17.1959, 19.1317,
48.1339)**

Conversions

Conversions Part 1

Format	Color
Hex	2A7FB8
RGB	42, 127, 184
RGB Percent	16%, 50%, 72%
CMY	0.8353, 0.5020, 0.2784
CMYK	0.77, 0.31, 0.00, 0.28
HSL	204°, 63%, 44%
HSV	204°, 77%, 72%
XYZ	17.1959, 19.1317, 48.1339
YIQ	108.0830, -68.9570, -0.2930

Conversions

Conversions Part 2

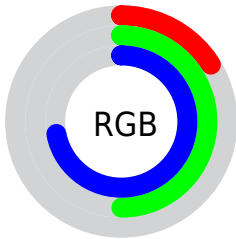
Format	Color
RYB	42, 95, 184
Decimal	2785208
CIELab	50.84, -5.32, -37.11
CIElCh	51, 37.492, 261.848
Yxy	19.1317, 0.2036, 0.2265
Android (android.graphics.Color)	4280975288 (0xFF2A7FB8)
YUV	108.0830, 37.4271, -57.9548
Hunter-Lab	43.7398, -6.3690, -34.6284

Details

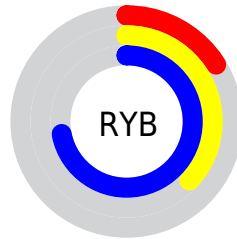
The XYZ color **17.1959, 19.1317, 48.1339** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **24.6480, 19.2829, 4.6142**, and the grayscale version is **14.1903, 14.9293, 16.2581**.

A 20% lighter version of the original color is **38.2338, 42.1219, 88.5533**, and **6.8211, 7.0875, 22.4812** is the 20% darker color. If you saturate the color by 10%, you get **15.6896, 16.9908, 47.8005**, and if you desaturate by 10%, it is **19.1189, 21.5918, 48.5078**.

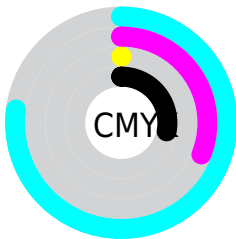
Distribution



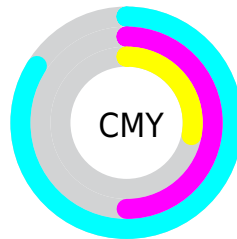
- Red (16%)
- Green (50%)
- Blue (72%)



- Red (16%)
- Yellow (37%)
- Blue (72%)



- Cyan (77%)
- Magenta (31%)
- Yellow (0%)
- Black (28%)



- Cyan (84%)
- Magenta (50%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.1959, 19.1317, 48.1339 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 17.1959, 19.1317, 48.1339 by changing the saturation by 10% instead.

■ 17.1959, 19.1317,
48.1339

■ 17.1959, 19.1317,
48.1339

229.4331,
247.1749, 395.8466

■ 10.4704, 11.7655,
33.5722

■ 38.2032, 41.9565,
88.7714

■ 5.7766, 6.5842,
22.2904

■ 53.2158, 58.1839,
115.6842

■ 2.7491, 3.2034,
13.8701

■ 71.7214, 78.1338,
147.5511

■ 1.0225, 1.2389,
7.8927

■ 94.0855, 102.1906,
184.7908

■ 0.0000, 0.0931,
3.9396

■ 120.6733,
130.7387, 227.8216

■ 0.0000, 0.0000,
1.5922

151.8503,

■ 0.0000, 0.0000,

164.1626, 277.0621

0.2853

187.9817,
202.8465, 332.9310

■ 0.0000, 0.0000,
0.0000

■ 17.1959, 19.1317,
48.1339

■ 17.1959, 19.1317,
48.1339

■ 15.6896, 16.9908,
47.8005

■ 19.1189, 21.5918,
48.5078

■ 14.5365, 15.1333,
47.5027

■ 21.4998, 24.3937,
48.9231

■ 14.2427, 14.6424,
47.4234

■ 24.3767, 27.5593,
49.3825

■ 27.7829, 31.1078,
49.8879

■ 31.7483, 35.0568,
50.4412

■ 36.3008, 39.4223,
51.0438

■ 41.4661, 44.2195,
51.6976

■ 47.2683, 49.4628,
52.4038

■ 53.7304, 55.1657,
53.1640

Harmonies

Analogous

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



14.1418, 19.1317, 41.2580



17.1959, 19.1317, 48.1339



20.9560, 19.1317, 45.9739

Triad

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



17.1959, 19.1317, 48.1339



25.6012, 19.1317, 14.1442



13.1534, 19.1317, 10.6266

Complementary

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



17.1959, 19.1317, 48.1339



24.6480, 19.2829, 4.6142

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.



15.6681, 19.1317, 7.0851



17.1959, 19.1317, 48.1339



22.9315, 19.1317, 8.5847

Square

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



17.1959, 19.1317, 48.1339



26.1555, 19.1317, 23.8492



19.2095, 19.1317, 6.4911



12.0232, 19.1317, 18.0791

Rectangle

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



17.1959, 19.1317, 48.1339



23.3433, 19.1317, 39.9430



19.2095, 19.1317, 6.4911



13.8472, 19.1317, 9.0600

Sweetspot

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



17.1966, 19.1323, 48.1344



60.5472, 66.4538, 91.8403



20.3387, 35.6709, 17.5689



12.4389, 13.7311, 19.7164



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



17.1966, 19.1323, 48.1344



26.8514, 28.2716, 86.2464



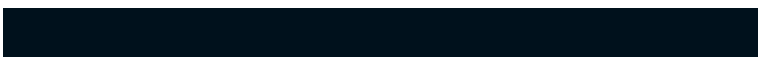
11.0313, 6.8017, 46.0793



8.9560, 9.5893, 11.4583



9.8866, 10.2328, 32.7071



0.4074, 0.4785, 1.1726

Inverse Universe

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



24.4265, 13.3794, 21.3743



41.5527, 21.0758, 30.8225



34.5230, 39.0328, 7.9059



9.2242, 9.1000, 10.5278



15.6040, 7.8153, 11.0672



0.5798, 0.2874, 0.5467

Previews

White Background



This preview shows how the XYZ color 17.1959, 19.1317, 48.1339 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 17.1959, 19.1317, 48.1339 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 17.1959, 19.1317, 48.1339

Background



This preview shows how black text looks on a background with the XYZ color 17.1959, 19.1317, 48.1339.

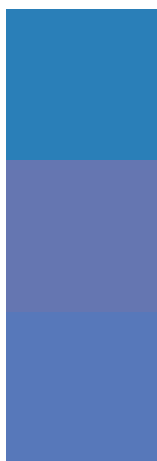


This preview shows how white text looks on a background with the XYZ color 17.1959, 19.1317,

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

17.1959, 19.1317, 48.1339

Protanopia

19.7811, 18.8979, 44.2001

Deuteranopia

19.5099, 19.0043, 49.0943



Tritanopia

13.5591, 19.0638, 29.3506

Trichromacy



Original Color

17.1959, 19.1317, 48.1339

Protanomaly

18.3839, 18.6755, 45.8158

Deuteranomaly

18.4384, 19.0083, 48.5961

Tritanomaly

14.5713, 18.8374, 35.6689

Monochromacy



Original Color

17.1959, 19.1317, 48.1339

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.2308, 15.9239, 25.6161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.1959, 19.1317, 48.1339 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(42, 127, 184)` looks like.

```
.text, #text, p{  
    color:rgb(42, 127, 184)  
}
```

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(42, 127, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 127, 184) }
```

Border

The CSS property to change the border of an element to XYZ 17.1959, 19.1317, 48.1339 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(42, 127, 184) }
```


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

```
.border{ border-color:rgb(42, 127, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 127, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 127, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 127, 184);  
box-shadow:4px 4px 4px 4px rgb(42, 127,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 17.1959, 19.1317, 48.1339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 127, 184) }
```

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

```
.background{ background-color: rgb(42, 127,  
184) }
```

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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