

Converting Colors

XYZ(16.6483, 19.0181, 47.6744)

Have a look what the booklet for
XYZ(16.6483, 19.0181, 47.6744)
contains.

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Color

**XYZ(16.6673, 19.0639,
47.6010)**

Conversions

Conversions Part 1

Format	Color
Hex	1980B7
RGB	25, 128, 183
RGB Percent	10%, 50%, 72%
CMY	0.9019, 0.4980, 0.2823
CMYK	0.86, 0.30, 0.00, 0.28
HSL	201°, 76%, 41%
HSV	201°, 86%, 72%
XYZ	16.6673, 19.0639, 47.6010
YIQ	103.4730, -79.0430, -4.7310

Conversions

Conversions Part 2

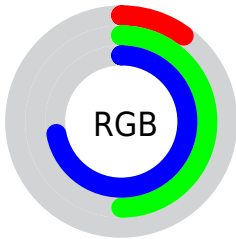
Format	Color
R _Y B	25, 87, 183
Decimal	1671351
CIE Lab	50.76, -7.90, -36.69
CIE LCh	51, 37.527, 257.842
Yxy	19.0639, 0.2000, 0.2288
Android (android.graphics.Color)	4279861431 (0xFF1980B7)
YUV	103.4730, 39.2068, -68.8208
Hunter-Lab	43.6622, -8.2696, -34.0750

Details

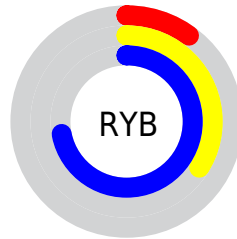
The XYZ color **16.6673, 19.0639, 47.6010** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **22.5742, 15.8774, 2.7956**, and the grayscale version is **12.9333, 13.6068, 14.8178**.

A 20% lighter version of the original color is **37.3594, 41.9891, 87.7970**, and **6.8252, 7.2037, 22.1498** is the 20% darker color. If you saturate the color by 10%, you get **15.5457, 17.2908, 47.3183**, and if you desaturate by 10%, it is **18.1336, 21.0927, 47.9157**.

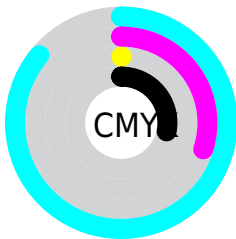
Distribution



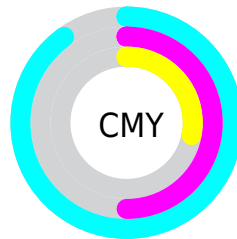
- Red (10%)
- Green (50%)
- Blue (72%)



- Red (10%)
- Yellow (34%)
- Blue (72%)



- Cyan (86%)
- Magenta (30%)
- Yellow (0%)
- Black (28%)



- Cyan (90%)
- Magenta (50%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6673, 19.0639, 47.6010 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 16.6673, 19.0639, 47.6010 by changing the saturation by 10% instead.

■ 16.6673, 19.0639,
47.6010

■ 16.6673, 19.0639,
47.6010

■ 226.4416,
246.8013, 393.6714

■ 10.0914, 11.7165,
33.1533

■ 37.3010, 41.8420,
87.9694

■ 5.5223, 6.5509,
21.9718

■ 52.0896, 58.0415,
114.7271

■ 2.5947, 3.1829,
13.6381

■ 70.3463, 77.9605,
146.4253

■ 0.9433, 1.2279,
7.7335

■ 92.4367, 101.9834,
183.4824

■ 0.0000, 0.0843,
3.8396

■ 118.7261,
130.4945, 226.3171

■ 0.0000, 0.0000,
1.5378

■ 149.5798,

■ 0.0000, 0.0000,

163.8782, 275.3477

0.2458

185.3632,
202.5190, 330.9930

■ 0.0000, 0.0000,
0.0000

■ 16.6673, 19.0639,
47.6010

■ 16.6673, 19.0639,
47.6010

■ 15.5457, 17.2908,
47.3183

■ 18.1336, 21.0927,
47.9157

■ 15.1790, 16.6822,
47.2201

■ 19.9971, 23.4048,
48.2638

■ 22.3001, 26.0237,
48.6479

■ 25.0786, 28.9693,
49.0700

■ 28.3646, 32.2592,
49.5318

■ 32.1872, 35.9097,
50.0350

■ 36.5730, 39.9357,
50.5809

■ 41.5469, 44.3514,
51.1711

■ 47.1322, 49.1699,
51.8068

Harmonies

Analogous

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



13.7661, 19.0639, 39.7371



16.6673, 19.0639, 47.6010



20.3795, 19.0639, 46.7007

Triad

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



16.6673, 19.0639, 47.6010



25.7399, 19.0639, 15.1377



13.3564, 19.0639, 9.8953

Complementary

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



16.6673, 19.0639, 47.6010



22.5742, 15.8774, 2.7956

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.



16.0334, 19.0639, 6.8089



16.6673, 19.0639, 47.6010



23.3061, 19.0639, 9.0518

Square

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



16.6673, 19.0639, 47.6010



25.9705, 19.0639, 25.3335



19.6540, 19.0639, 6.5641



12.0357, 19.0639, 16.7684

Rectangle

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



16.6673, 19.0639, 47.6010



22.8257, 19.0639, 41.2719



19.6540, 19.0639, 6.5641



14.1094, 19.0639, 8.4983

Sweetspot

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



16.6680, 19.0645, 47.6015



57.5727, 64.2442, 89.6017



18.6986, 34.6196, 12.8442



12.1705, 13.6754, 19.7198



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.



16.6680, 19.0645, 47.6015



26.9612, 29.4296, 84.4952



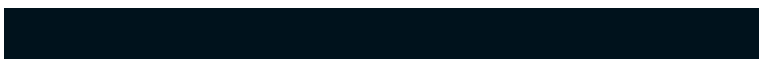
10.1477, 6.0240, 45.4281



8.9964, 9.6700, 11.4718



10.6551, 11.7699, 32.9633



0.4312, 0.5260, 1.1805

Inverse Universe

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



23.7730, 12.3219, 21.5479



40.8572, 20.3832, 32.6111



31.7055, 34.1401, 5.8393



9.2445, 9.1082, 10.6351



15.9919, 7.9705, 13.1099



0.5918, 0.2922, 0.6098

Previews

White Background



This preview shows how the XYZ color 16.6673, 19.0639, 47.6010 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 16.6673, 19.0639, 47.6010 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 16.6673, 19.0639, 47.6010

Background



This preview shows how black text looks on a background with the XYZ color 16.6673, 19.0639, 47.6010.

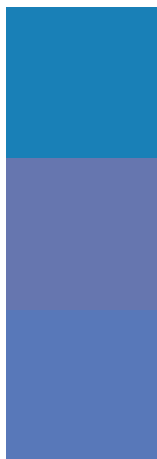


This preview shows how white text looks on a background with the XYZ color 16.6673, 19.0639,

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

16.6673, 19.0639, 47.6010

Protanopia

19.6958, 18.8768, 43.1629

Deuteranopia

19.4979, 19.0104, 48.5407



Tritanopia

13.5591, 19.0638, 29.3506

Trichromacy



Original Color

16.6673, 19.0639, 47.6010

Protanomaly

17.8195, 18.5893, 44.7684

Deuteranomaly

17.9147, 18.7504, 48.0224

Tritanomaly

14.5355, 19.0292, 35.2547

Monochromacy



Original Color

16.6673, 19.0639, 47.6010

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.8607, 14.7501, 23.9990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6673, 19.0639, 47.6010 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(25, 128, 183)` looks like.

```
.text, #text, p{  
    color:rgb(25, 128, 183)  
}
```

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(25, 128, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 128, 183) }
```

Border

The CSS property to change the border of an element to XYZ 16.6673, 19.0639, 47.6010 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(25, 128, 183) }
```


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

```
.border{ border-color:rgb(25, 128, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 128, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 128, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 128, 183);  
box-shadow:4px 4px 4px 4px rgb(25, 128,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6673, 19.0639, 47.6010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 128, 183) }
```

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

```
.background{ background-color: rgb(25, 128,  
183) }
```

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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