

Converting Colors

XYZ(16.6831, 19.1600, 49.3570)

Have a look what the booklet for
XYZ(16.6831, 19.1600, 49.3570)
contains.

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Color

**XYZ(16.7132, 19.2457,
49.2883)**

Conversions

Conversions Part 1

Format	Color
Hex	0081BA
RGB	0, 129, 186
RGB Percent	0%, 51%, 73%
CMY	0.9999, 0.4941, 0.2706
CMYK	1.00, 0.31, 0.00, 0.27
HSL	198°, 100%, 36%
HSV	198°, 100%, 73%
XYZ	16.7132, 19.2457, 49.2883
YIQ	96.9270, -95.1810, -9.6210

Conversions

Conversions Part 2

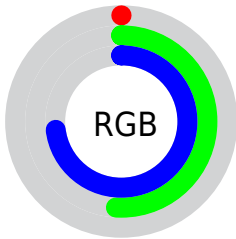
Format	Color
RYB	0, 76, 186
Decimal	33210
CIELab	50.97, -8.56, -38.09
CIELCh	51, 39.043, 257.337
Yxy	19.2457, 0.1961, 0.2258
Android (android.graphics.Color)	4278223290 (0xFF0081BA)
YUV	96.9270, 43.9130, -85.0050
Hunter-Lab	43.8699, -8.7689, -35.9040

Details

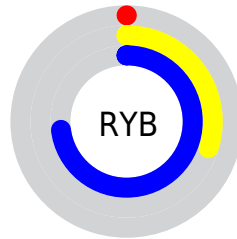
The XYZ color **16.7132, 19.2457, 49.2883** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **21.7151, 13.3693, 1.4371**, and the grayscale version is **11.2598, 11.8462, 12.9005**.

A 20% lighter version of the original color is **37.3711, 42.2464, 90.1891**, and **7.0335, 7.4033, 22.8881** is the 20% darker color. If you saturate the color by 10%, you get **16.7119, 19.2430, 49.2883**, and if you desaturate by 10%, it is **17.7471, 20.9251, 49.5584**.

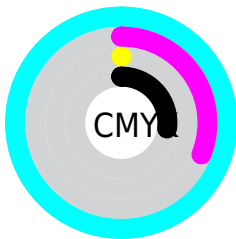
Distribution



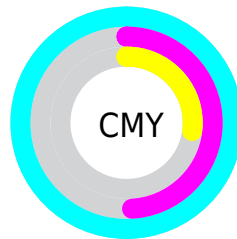
- Red (0%)
- Green (51%)
- Blue (73%)



- Red (0%)
- Yellow (30%)
- Blue (73%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (27%)



- Cyan (100%)
- Magenta (49%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7132, 19.2457, 49.2883 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 16.7132, 19.2457, 49.2883 by changing the saturation by 10% instead.

■ 16.7132, 19.2457,
49.2883

■ 16.7132, 19.2457,
49.2883

226.7028,
247.8018, 400.5312

■ 10.1243, 11.8479,
34.4810

■ 37.3795, 42.1489,
90.5049

■ 5.5443, 6.6402,
22.9830

■ 52.1876, 58.4231,
117.7513

■ 2.6080, 3.2381,
14.3758

■ 70.4662, 78.4249,
149.9812

■ 0.9501, 1.2573,
8.2408

■ 92.5805, 102.5387,
187.6130

■ 0.0000, 0.1078,
4.1594

■ 118.8960,
131.1489, 231.0654

■ 0.0000, 0.0000,
1.7132

■ 149.7779,

■ 0.0000, 0.0000,

164.6399, 280.7569

0.3698

185.5918,
203.3961, 337.1060

■ 0.0000, 0.0000,
0.0000

■ 16.7132, 19.2457,
49.2883

■ 16.7132, 19.2457,
49.2883

■ 16.7119, 19.2430,
49.2883

■ 17.7471, 20.9251,
49.5584

■ 19.0717, 22.8173,
49.8538

■ 20.7799, 24.9714,
50.1795

■ 22.9177, 27.4120,
50.5380

■ 25.5240, 30.1602,
50.9310

■ 28.6334, 33.2346,
51.3606

■ 32.2767, 36.6521,
51.8282

■ 36.4823, 40.4281,
52.3354

■ 41.2764, 44.5770,
52.8835

Harmonies

Analogous

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



13.7096, 19.2457, 40.7944



16.7132, 19.2457, 49.2883



20.5945, 19.2457, 48.4990

Triad

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



16.7132, 19.2457, 49.2883



26.3313, 19.2457, 15.2379



13.3595, 19.2457, 9.5990

Complementary

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



16.7132, 19.2457, 49.2883



21.7151, 13.3693, 1.4371

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.



16.1687, 19.2457, 6.5092



16.7132, 19.2457, 49.2883



23.7973, 19.2457, 8.8889

Square

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



16.7132, 19.2457, 49.2883



26.5315, 19.2457, 25.9689



19.9682, 19.2457, 6.3056



11.9645, 19.2457, 16.6325

Rectangle

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



16.7132, 19.2457, 49.2883



23.1733, 19.2457, 42.8060



19.9682, 19.2457, 6.3056



14.1502, 19.2457, 8.1912

Sweetspot

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



16.7139, 19.2463, 49.2888



58.1369, 66.0975, 93.8954



18.2691, 35.4022, 9.5897



12.1645, 13.9637, 20.5967



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



16.7139, 19.2463, 49.2888



30.0669, 34.4303, 89.2624



9.5323, 4.8830, 46.8949



9.0281, 9.7334, 11.4823



11.3118, 13.0833, 33.1822



0.4508, 0.5653, 1.1871

Inverse Universe

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



24.2128, 12.0250, 21.8143



43.7715, 21.7486, 38.9357



30.9672, 31.8735, 4.5212



9.2605, 9.1146, 10.7194



16.3234, 8.1031, 14.8555



0.6017, 0.2962, 0.6620

Previews

White Background



This preview shows how the XYZ color 16.7132, 19.2457, 49.2883 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 16.7132, 19.2457, 49.2883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

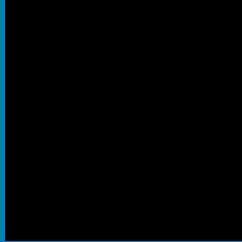
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7132, 19.2457, 49.2883

Background



This preview shows how black text looks on a background with the XYZ color 16.7132, 19.2457, 49.2883.

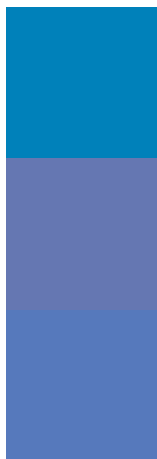


This preview shows how white text looks on a background with the XYZ color 16.7132, 19.2457,

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

16.7132, 19.2457, 49.2883

Protanopia

19.9995, 19.1747, 44.7665

Deuteranopia

19.7522, 19.2840, 50.2581



Tritanopia

13.6980, 19.3416, 29.3969

Trichromacy



Original Color

16.7132, 19.2457, 49.2883

Protanomaly

17.5378, 18.5921, 46.3804

Deuteranomaly

17.7528, 18.8154, 49.7098

Tritanomaly

14.6455, 19.2783, 35.7501

Monochromacy



Original Color

16.7132, 19.2457, 49.2883

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.4177, 13.5464, 22.7818

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7132, 19.2457, 49.2883 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, 129, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 186)  
}
```

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, 129, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 186) }
```

Border

The CSS property to change the border of an element to XYZ 16.7132, 19.2457, 49.2883 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, 129, 186) }
```


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

```
.border{ border-color:rgb(0, 129, 186) }
```

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

Here you see how a box with a 4 pixel rgb(0, 129, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 129,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7132, 19.2457, 49.2883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 129, 186) }
```

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

```
.background{ background-color: rgb(0, 129,  
186) }
```

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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