

Converting Colors

XYZ(16.7402, 19.7047, 48.0490)

Have a look what the booklet for
XYZ(16.7402, 19.7047, 48.0490)
contains.

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Color

**XYZ(16.7680, 19.6933,
48.2648)**

Conversions

Conversions Part 1

Format	Color
Hex	0083B8
RGB	0, 131, 184
RGB Percent	0%, 51%, 72%
CMY	0.9999, 0.4863, 0.2784
CMYK	1.00, 0.29, 0.00, 0.28
HSL	197°, 100%, 36%
HSV	197°, 100%, 72%
XYZ	16.7680, 19.6933, 48.2648
YIQ	97.8730, -95.0890, -11.2890

Conversions

Conversions Part 2

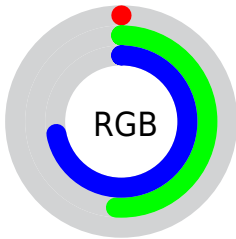
Format	Color
RYB	0, 77, 184
Decimal	33720
CIELab	51.49, -10.47, -36.13
CIELCh	51, 37.622, 253.835
Yxy	19.6933, 0.1979, 0.2324
Android (android.graphics.Color)	4278223800 (0xFF0083B8)
YUV	97.8730, 42.4606, -85.8346
Hunter-Lab	44.3771, -10.2134, -33.4201

Details

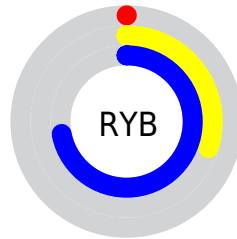
The XYZ color **16.7680, 19.6933, 48.2648** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **21.0421, 12.7397, 1.3509**, and the grayscale version is **11.4955, 12.0941, 13.1705**.

A 20% lighter version of the original color is **37.4848, 42.9519, 88.7530**, and **7.1140, 7.6733, 22.5789** is the 20% darker color. If you saturate the color by 10%, you get **16.7670, 19.6912, 48.2649**, and if you desaturate by 10%, it is **17.7563, 21.2872, 48.5208**.

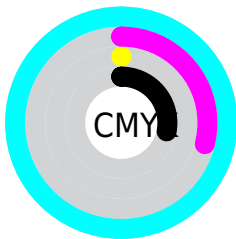
Distribution



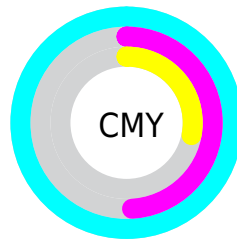
- Red (0%)
- Green (51%)
- Blue (72%)



- Red (0%)
- Yellow (30%)
- Blue (72%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (28%)



- Cyan (100%)
- Magenta (49%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7680, 19.6933, 48.2648 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 16.7680, 19.6933, 48.2648 by changing the saturation by 10% instead.

■ 16.7680, 19.6933,
48.2648

■ 16.7680, 19.6933,
48.2648

■ 227.0143,
250.2499, 396.3797

■ 10.1635, 12.1723,
33.6752

■ 37.4732, 42.9024,
88.9682

■ 5.5706, 6.8611,
22.3688

■ 52.3047, 59.3592,
115.9190

■ 2.6239, 3.3754,
13.9272

■ 70.6091, 79.5635,
147.8273

■ 0.9582, 1.3307,
7.9319

■ 92.7520, 103.8996,
185.1116

■ 0.0000, 0.1648,
3.9643

■ 119.0986,
132.7519, 228.1904

■ 0.0000, 0.0000,
1.6058

■ 150.0142,

■ 0.0000, 0.0000,

166.5048, 277.4824

0.2949

185.8643,
205.5426, 333.4060

■ 0.0000, 0.0000,
0.0000

■ 16.7680, 19.6933,
48.2648

■ 16.7680, 19.6933,
48.2648

■ 16.7670, 19.6912,
48.2649

■ 17.7563, 21.2872,
48.5208

■ 19.0229, 23.0791,
48.7999

■ 20.6590, 25.1172,
49.1071

■ 22.7093, 27.4252,
49.4445

■ 25.2116, 30.0233,
49.8141

■ 28.1992, 32.9294,
50.2176

■ 31.7024, 36.1599,
50.6565

■ 35.7485, 39.7295,
51.1322

■ 40.3630, 43.6521,
51.6461

Harmonies

Analogous

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



13.9528, 19.6933, 39.3141



16.7680, 19.6933, 48.2648



20.5088, 19.6933, 48.6416

Triad

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



16.7680, 19.6933, 48.2648



26.6921, 19.6933, 16.8436



14.1252, 19.6933, 9.6668

Complementary

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



16.7680, 19.6933, 48.2648



21.0421, 12.7397, 1.3509

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.



17.0344, 19.6933, 6.9240



16.7680, 19.6933, 48.2648



24.4603, 19.6933, 10.0226

Square

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



16.7680, 19.6933, 48.2648



26.5954, 19.6933, 27.7698



20.8134, 19.6933, 7.0275



12.5732, 19.6933, 16.1579

Rectangle

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



16.7680, 19.6933, 48.2648



23.0598, 19.6933, 43.7741



20.8134, 19.6933, 7.0275



14.9584, 19.6933, 8.3908

Sweetspot

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



16.7687, 19.6940, 48.2653



57.1146, 65.2297, 91.7849



17.7644, 34.5308, 8.9963



11.7194, 13.5211, 19.7138



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.



16.7687, 19.6940, 48.2653



30.1795, 35.2653, 87.4209



9.4074, 4.9713, 45.8115



9.0422, 9.7616, 11.4870



11.6186, 13.6968, 33.2845



0.4598, 0.5833, 1.1901

Inverse Universe

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



23.8645, 11.8299, 22.4989



43.1503, 21.3995, 40.2071



29.7622, 30.1798, 4.2576



9.2676, 9.1174, 10.7568



16.4782, 8.1650, 15.6708



0.6062, 0.2980, 0.6859

Previews

White Background



This preview shows how the XYZ color 16.7680, 19.6933, 48.2648 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 16.7680, 19.6933, 48.2648 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 16.7680, 19.6933, 48.2648

Background



This preview shows how black text looks on a background with the XYZ color 16.7680, 19.6933, 48.2648.

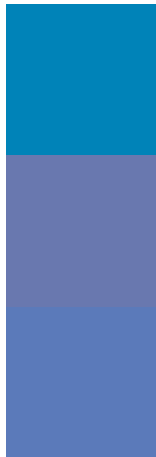


This preview shows how white text looks on a background with the XYZ color 16.7680, 19.6933,

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

16.7680, 19.6933, 48.2648

Protanopia

20.2800, 19.5313, 43.2585

Deuteranopia

20.1368, 19.6884, 49.1933



Tritanopia

13.9925, 19.6836, 30.2560

Trichromacy



Original Color

16.7680, 19.6933, 48.2648

Protanomaly

17.5583, 18.8229, 44.8273

Deuteranomaly

17.8355, 19.0696, 48.6397

Tritanomaly

14.8703, 19.5883, 36.2549

Monochromacy



Original Color

16.7680, 19.6933, 48.2648

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.5250, 13.7610, 22.8176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7680, 19.6933, 48.2648 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, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 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(0, 131, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 184) }
```

Border

The CSS property to change the border of an element to XYZ 16.7680, 19.6933, 48.2648 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, 184) }
```


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

```
.border{ border-color:rgb(0, 131, 184) }
```

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, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7680, 19.6933, 48.2648 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, 184) }
```

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

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