

Converting Colors

XYZ(13.8381, 18.1757, 33.9016)

Have a look what the booklet for
XYZ(13.8381, 18.1757, 33.9016)
contains.

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Color

**XYZ(13.7667, 18.0671,
33.7721)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 00819B |
| RGB | 0, 129, 155 |
| RGB Percent | 0%, 51%, 61% |
| CMY | 0.9999, 0.4941, 0.3922 |
| CMYK | 1.00, 0.17, 0.00, 0.39 |
| HSL | 190°, 100%, 30% |
| HSV | 190°, 100%, 61% |
| XYZ | 13.7667, 18.0671, 33.7721 |
| YIQ | 93.3930, -85.2300, -19.2620 |

Conversions

Conversions Part 2

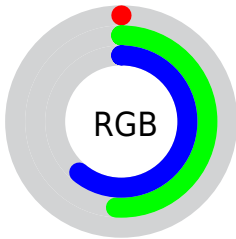
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 70, 155 |
| Decimal | 33179 |
| CIELab | 49.58, -20.08, -22.32 |
| CIELCh | 50, 30.020, 228.025 |
| Yxy | 18.0671, 0.2098, 0.2754 |
| Android (android.graphics.Color) | 4278223259 (0xFF00819B) |
| YUV | 93.3930, 30.3723, -81.9057 |
| Hunter-Lab | 42.5054, -16.5717, -17.3543 |

Details

The XYZ color **13.7667, 18.0671, 33.7721** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **13.8879, 7.7087, 0.7568**, and the grayscale version is **10.4439, 10.9878, 11.9658**.

A 20% lighter version of the original color is **32.2913, 40.1353, 67.0177**, and **5.2947, 6.5914, 14.0899** is the 20% darker color. If you saturate the color by 10%, you get **13.7663, 18.0663, 33.7723**, and if you desaturate by 10%, it is **14.3196, 18.8675, 33.8978**.

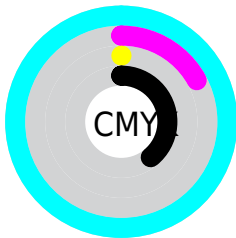
Distribution



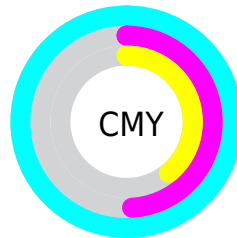
- Red (0%)
- Green (51%)
- Blue (61%)



- Red (0%)
- Yellow (27%)
- Blue (61%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (39%)



- Cyan (100%)
- Magenta (49%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7667, 18.0671, 33.7721 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 13.7667, 18.0671, 33.7721 by changing the saturation by 10% instead.

■ 13.7667, 18.0671,
33.7721

■ 13.7667, 18.0671,
33.7721

■ 209.3144,
241.2490, 333.8527

■ 8.0392, 10.9982,
22.4426

■ 32.2642, 40.1516,
66.7089

■ 4.1721, 6.0656,
13.9811

■ 45.7650, 55.9360,
89.1534

■ 1.7999, 2.8850,
7.9689

■ 62.5875, 75.3944,
116.1399

■ 0.5176, 1.0720,
3.9876

■ 83.0972, 98.9110,
148.0871

■ 0.0000, 0.0000,
1.6185

■ 107.6593,
126.8704, 185.4134

■ 0.0000, 0.0000,
0.3040

■ 136.6394,

■ 0.0000, 0.0000,

159.6570, 228.5374

0.0000

170.4026,
197.6550, 277.8777

■ 13.7667, 18.0671,
33.7721

■ 13.7667, 18.0671,
33.7721

■ 13.7663, 18.0663,
33.7723

■ 14.3196, 18.8675,
33.8978

■ 15.0355, 19.7646,
34.0332

■ 15.9848, 20.7951,
34.1821

■ 17.1960, 21.9739,
34.3458

■ 18.6934, 23.3135,
34.5255

■ 20.4986, 24.8252,
34.7221

■ 22.6309, 26.5191,
34.9367

■ 25.1080, 28.4043,
35.1700

■ 27.9466, 30.4894,
35.4228

Harmonies

Analogous

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



12.4771, 18.0671, 24.9299



13.7667, 18.0671, 33.7721



16.0618, 18.0671, 39.3267

Triad

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



13.7667, 18.0671, 33.7721



23.0999, 18.0671, 23.1057



15.5343, 18.0671, 8.2169

Complementary

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



13.7667, 18.0671, 33.7721



13.8879, 7.7087, 0.7568

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.



18.3327, 18.0671, 7.9801



13.7667, 18.0671, 33.7721



22.9182, 18.0671, 15.2108

Square

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



13.7667, 18.0671, 33.7721



21.5695, 18.0671, 32.1232



21.0976, 18.0671, 10.1709



13.4173, 18.0671, 10.9429

Rectangle

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



13.7667, 18.0671, 33.7721



17.9474, 18.0671, 39.6251



21.0976, 18.0671, 10.1709



16.4197, 18.0671, 7.8777

Sweetspot

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



13.7673, 18.0677, 33.7725



40.2814, 47.2997, 62.5430



11.9067, 23.5171, 4.8806



8.7651, 10.4292, 14.1214



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



13.7673, 18.0677, 33.7725



24.5344, 32.1158, 60.4422



7.1308, 4.7948, 31.5604



6.2964, 6.8501, 7.9193



11.0809, 14.5584, 27.1337



0.1863, 0.2589, 0.4125

Inverse Universe

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



17.4806, 8.5543, 21.4993



31.2442, 15.2942, 38.1821



18.4024, 16.7376, 2.2616



6.4167, 6.3058, 7.5745



14.0519, 6.8750, 17.3301



0.2205, 0.1069, 0.3139

Previews

White Background



This preview shows how the XYZ color 13.7667, 18.0671, 33.7721 looks on a white 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

Black Background



This preview shows how the XYZ color 13.7667, 18.0671, 33.7721 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 13.7667, 18.0671, 33.7721

Background



This preview shows how black text looks on a background with the XYZ color 13.7667, 18.0671, 33.7721.

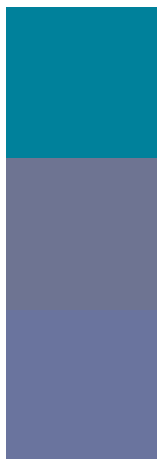


This preview shows how white text looks on a background with the XYZ color 13.7667, 18.0671,

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

13.7667, 18.0671, 33.7721

Protanopia

17.8641, 17.8811, 29.7040

Deuteranopia

18.3608, 18.0236, 34.8589



Tritanopia

12.9240, 18.1557, 28.0225

Trichromacy



Original Color

13.7667, 18.0671, 33.7721

Protanomaly

14.7880, 17.1468, 30.9640

Deuteranomaly

15.2379, 17.3024, 34.4349

Tritanomaly

13.1709, 18.0406, 29.9821

Monochromacy



Original Color

13.7667, 18.0671, 33.7721

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.1101, 12.4988, 18.4027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7667, 18.0671, 33.7721 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 155) }
```

Border

The CSS property to change the border of an element to XYZ 13.7667, 18.0671, 33.7721 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, 155) }
```


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

```
.border{ border-color:rgb(0, 129, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 129,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7667, 18.0671, 33.7721 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, 155) }
```

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

```
.background{ background-color: rgb(0, 129,  
155) }
```

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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