

Converting Colors

XYZ(14.6003, 17.1918, 52.5791)

Have a look what the booklet for
XYZ(14.6003, 17.1918, 52.5791)
contains.

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Color

**XYZ(16.7221, 18.2211,
52.5048)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | 007CC0 |
| RGB | 0, 124, 192 |
| RGB Percent | 0%, 49%, 75% |
| CMY | 0.9998, 0.5137, 0.2471 |
| CMYK | 1.00, 0.35, 0.00, 0.25 |
| HSL | 201°, 100%, 38% |
| HSV | 201°, 100%, 75% |
| XYZ | 16.7221, 18.2211, 52.5048 |
| YIQ | 94.6760, -95.7320, -5.1400 |

Conversions

Conversions Part 2

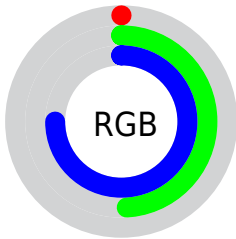
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 0, 75, 192 |
| Decimal | 31936 |
| CIELab | 49.76, -3.29, -43.45 |
| CIELCh | 50, 43.575, 265.667 |
| Yxy | 18.2211, 0.1912, 0.2084 |
| Android (android.graphics.Color) | 4278222016 (0xFF007CC0) |
| YUV | 94.6760, 47.9807, -83.0309 |
| Hunter-Lab | 42.6862, -4.7743, -43.0475 |

Details

The XYZ color **16.7221, 18.2211, 52.5048** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **23.8082, 15.3459, 1.7084**, and the grayscale version is **10.7086, 11.2663, 12.2690**.

A 20% lighter version of the original color is **37.3435, 40.3231, 95.4375**, and **7.1719, 7.0039, 25.0186** is the 20% darker color. If you saturate the color by 10%, you get **16.7204, 18.2177, 52.5046**, and if you desaturate by 10%, it is **17.8776, 20.1263, 52.8120**.

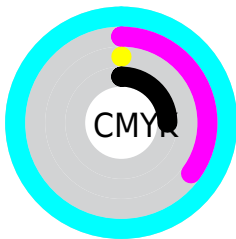
Distribution



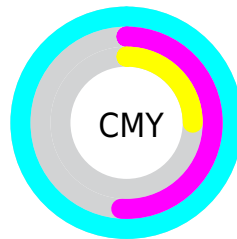
- Red (0%)
- Green (49%)
- Blue (75%)



- Red (0%)
- Yellow (29%)
- Blue (75%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (51%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7221, 18.2211, 52.5048 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 16.7221, 18.2211, 52.5048 by changing the saturation by 10% instead.

■ 16.7221, 18.2211,
52.5048

■ 16.7221, 18.2211,
52.5048

■ 226.7534,
242.1143, 413.3946

■ 10.1306, 11.1088,
37.0226

■ 37.3948, 40.4137,
95.3094

■ 5.5486, 6.1401,
24.9291

■ 52.2067, 56.2629,
123.4689

■ 2.6106, 2.9305,
15.8057

■ 70.4894, 75.7931,
156.6913

■ 0.9514, 1.0955,
9.2339

■ 92.6084, 99.3888,
195.3950

■ 0.0000, 0.0000,
4.7952

■ 118.9289,
127.4344, 239.9987

■ 0.0000, 0.0000,
2.0710

■ 149.8163,

■ 0.0000, 0.0000,

160.3142, 290.9208

0.5984

185.6360,
198.4128, 348.5799

■ 0.0000, 0.0000,
0.0000

■ 16.7221, 18.2211,
52.5048

■ 16.7221, 18.2211,
52.5048

■ 16.7204, 18.2177,
52.5046

■ 17.8776, 20.1263,
52.8120

■ 19.3620, 22.2899,
53.1514

■ 21.2735, 24.7642,
53.5283

■ 23.6623, 27.5769,
53.9453

■ 26.5711, 30.7514,
54.4047

■ 30.0375, 34.3088,
54.9086

■ 34.0953, 38.2678,
55.4589

■ 38.7755, 42.6460,
56.0573

■ 44.1070, 47.4596,
56.7055

Harmonies

Analogous

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



13.1932, 18.2211, 45.3564



16.7221, 18.2211, 52.5048



21.0134, 18.2211, 48.4224

Triad

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



16.7221, 18.2211, 52.5048



25.5609, 18.2211, 11.4900



11.5251, 18.2211, 9.5330

Complementary

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



16.7221, 18.2211, 52.5048



23.8082, 15.3459, 1.7084

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.



14.0845, 18.2211, 5.5398



16.7221, 18.2211, 52.5048



22.2251, 18.2211, 6.3114

Square

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



16.7221, 18.2211, 52.5048



26.5657, 18.2211, 21.6187



17.9291, 18.2211, 4.6553



10.5130, 18.2211, 18.1610

Rectangle

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



16.7221, 18.2211, 52.5048



23.6827, 18.2211, 40.5019



17.9291, 18.2211, 4.6553



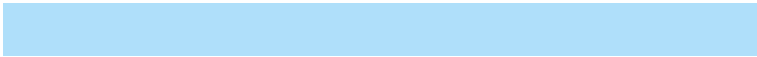
12.2109, 18.2211, 7.7635

Sweetspot

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



16.7228, 18.2217, 52.5053



61.3824, 68.9604, 100.4358



19.8703, 38.1078, 11.6543



12.4743, 14.1241, 21.4540



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



16.7228, 18.2217, 52.5053



30.0502, 32.5170, 95.0529



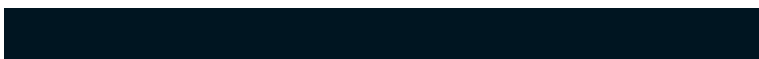
9.9504, 4.6768, 50.2478



10.0586, 10.8086, 12.8409



11.3265, 12.4095, 35.3549



0.5523, 0.6621, 1.5486

Inverse Universe

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



25.3770, 12.6627, 20.1758



45.8547, 22.8920, 35.8939



34.8726, 37.4745, 5.3965



10.3409, 10.1850, 11.8857



17.1131, 8.5350, 13.7734



0.7712, 0.3815, 0.7624

Previews

White Background



This preview shows how the XYZ color 16.7221, 18.2211, 52.5048 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 16.7221, 18.2211, 52.5048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

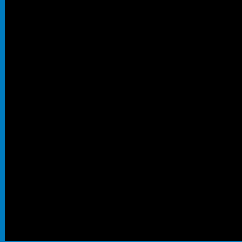
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.7221, 18.2211, 52.5048

Background



This preview shows how black text looks on a background with the XYZ color 16.7221, 18.2211, 52.5048.



This preview shows how white text looks on a background with the XYZ color 16.7221, 18.2211,

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

16.7221, 18.2211, 52.5048

Protanopia

19.4160, 18.2689, 48.4019

Deuteranopia

18.7483, 18.3460, 53.0051



Tritanopia

12.9240, 18.1557, 28.0225

Trichromacy



Original Color

16.7221, 18.2211, 52.5048

Protanomaly

17.4776, 17.7543, 50.0827

Deuteranomaly

17.5452, 18.0829, 53.0177

Tritanomaly

14.0643, 17.9764, 35.9862

Monochromacy



Original Color

16.7221, 18.2211, 52.5048

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.0468, 12.8804, 23.0230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7221, 18.2211, 52.5048 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, 124, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 192)  
}
```

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, 124, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 192) }
```

Border

The CSS property to change the border of an element to XYZ 16.7221, 18.2211, 52.5048 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, 124, 192) }
```


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

```
.border{ border-color:rgb(0, 124, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 124, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 124,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7221, 18.2211, 52.5048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 124, 192) }
```

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

```
.background{ background-color: rgb(0, 124,  
192) }
```

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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