

Converting Colors

XYZ(6.8561, 13.2814, 52.2499)

Have a look what the booklet for
XYZ(6.8561, 13.2814, 52.2499)
contains.

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Color

**XYZ(16.8480, 18.4730,
52.5468)**

Conversions

Conversions Part 1

Format	Color
Hex	007DC0
RGB	0, 125, 192
RGB Percent	0%, 49%, 75%
CMY	0.9999, 0.5098, 0.2471
CMYK	1.00, 0.35, 0.00, 0.25
HSL	201°, 100%, 38%
HSV	201°, 100%, 75%
XYZ	16.8480, 18.4730, 52.5468
YIQ	95.2630, -96.0070, -5.6630

Conversions

Conversions Part 2

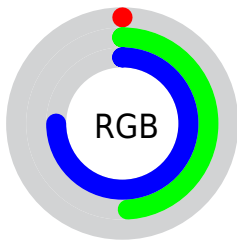
Format	Color
RYB	0, 76, 192
Decimal	32192
CIELab	50.06, -3.89, -42.97
CIELCh	50, 43.148, 264.826
Yxy	18.4730, 0.1917, 0.2102
Android (android.graphics.Color)	4278222272 (0xFF007DC0)
YUV	95.2630, 47.6913, -83.5457
Hunter-Lab	42.9802, -5.2444, -42.4007

Details

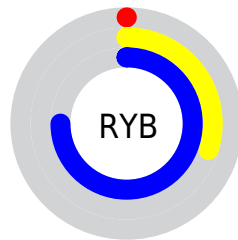
The XYZ color **16.8480, 18.4730, 52.5468** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **23.7479, 15.2252, 1.6881**, and the grayscale version is **10.8488, 11.4138, 12.4296**.

A 20% lighter version of the original color is **37.5403, 40.7167, 95.5031**, and **7.2413, 7.1427, 25.0418** is the 20% darker color. If you saturate the color by 10%, you get **16.8467, 18.4702, 52.5467**, and if you desaturate by 10%, it is **17.9987, 20.3686, 52.8524**.

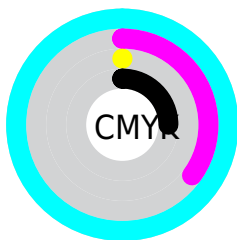
Distribution



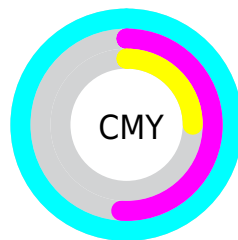
- Red (0%)
- Green (49%)
- Blue (75%)



- Red (0%)
- Yellow (30%)
- 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 16.8480, 18.4730, 52.5468 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 16.8480, 18.4730, 52.5468 by changing the saturation by 10% instead.

■ 16.8480, 18.4730,
52.5468

■ 16.8480, 18.4730,
52.5468

■ 227.4683,
243.5238, 413.5608

■ 10.2208, 11.2901,
37.0559

■ 37.6099, 40.8417,
95.3719

■ 5.6090, 6.2623,
24.9546

■ 52.4754, 56.7962,
123.5432

■ 2.6472, 3.0052,
15.8245

■ 70.8176, 76.4435,
156.7783

■ 0.9701, 1.1345,
9.2471

■ 93.0020, 100.1678,
195.4959

■ 0.0000, 0.0072,
4.8037

■ 119.3939,
128.3536, 240.1143

■ 0.0000, 0.0000,
2.0758

■ 150.3587,

■ 0.0000, 0.0000,

161.3853, 291.0523

0.6013

186.2617,
199.6472, 348.7283

■ 0.0000, 0.0000,
0.0000

■ 16.8480, 18.4730,
52.5468

■ 16.8480, 18.4730,
52.5468

■ 16.8467, 18.4702,
52.5467

■ 17.9987, 20.3686,
52.8524

■ 19.4765, 22.5192,
53.1897

■ 21.3798, 24.9773,
53.5638

■ 23.7587, 27.7704,
53.9775

■ 26.6558, 30.9217,
54.4331

■ 30.1087, 34.4522,
54.9326

■ 34.1511, 38.3808,
55.4778

■ 38.8141, 42.7247,
56.0705

■ 44.1263, 47.5001,
56.7123

Harmonies

Analogous

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



13.3499, 18.4730, 45.1803



16.8480, 18.4730, 52.5468



21.1267, 18.4730, 48.8091

Triad

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



16.8480, 18.4730, 52.5468



25.8436, 18.4730, 11.9624



11.8088, 18.4730, 9.6107

Complementary

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



16.8480, 18.4730, 52.5468



23.7479, 15.2252, 1.6881

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.



14.4157, 18.4730, 5.6834



16.8480, 18.4730, 52.5468



22.5688, 18.4730, 6.6181

Square

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



16.8480, 18.4730, 52.5468



26.7666, 18.4730, 22.2467



18.2877, 18.4730, 4.8575



10.7484, 18.4730, 18.1221

Rectangle

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



16.8480, 18.4730, 52.5468



23.8068, 18.4730, 41.0718



18.2877, 18.4730, 4.8575



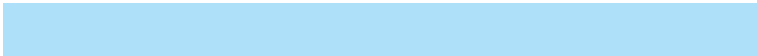
12.5112, 18.4730, 7.8675

Sweetspot

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



16.8487, 18.4736, 52.5473



61.4873, 69.1701, 100.4707



19.7763, 38.0702, 11.1601



12.4994, 14.1743, 21.4624



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.



16.8487, 18.4736, 52.5473



30.2801, 32.9767, 95.1295



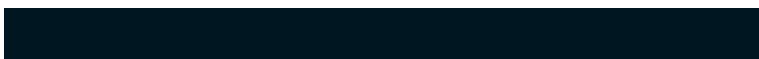
10.0323, 4.8407, 50.2751



10.0631, 10.8175, 12.8424



11.4111, 12.5787, 35.3831



0.5556, 0.6685, 1.5496

Inverse Universe

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



25.4405, 12.6880, 20.5106



45.9707, 22.9384, 36.5048



34.3105, 36.3505, 5.2090



10.3431, 10.1859, 11.8976



17.1558, 8.5521, 13.9982



0.7728, 0.3821, 0.7710

Previews

White Background



This preview shows how the XYZ color 16.8480, 18.4730, 52.5468 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 16.8480, 18.4730, 52.5468 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 16.8480, 18.4730, 52.5468

Background



This preview shows how black text looks on a background with the XYZ color 16.8480, 18.4730, 52.5468.



This preview shows how white text looks on a background with the XYZ color 16.8480, 18.4730,

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

16.8480, 18.4730, 52.5468

Protanopia

19.5132, 18.3312, 47.8572

Deuteranopia

18.9701, 18.4604, 53.0155



Tritanopia

13.0590, 18.4256, 28.0675

Trichromacy



Original Color

16.8480, 18.4730, 52.5468

Protanomaly

17.4299, 17.7422, 49.5196

Deuteranomaly

17.5897, 18.1058, 53.0198

Tritanomaly

14.1954, 18.2386, 36.0299

Monochromacy



Original Color

16.8480, 18.4730, 52.5468

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 16.8480, 18.4730, 52.5468 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, 125, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 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, 125, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 192) }
```

Border

The CSS property to change the border of an element to XYZ 16.8480, 18.4730, 52.5468 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, 125, 192) }
```


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

```
.border{ border-color:rgb(0, 125, 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, 125, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8480, 18.4730, 52.5468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 192) }
```

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

```
.background{ background-color: rgb(0, 125,  
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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