

Converting Colors

XYZ(16.7027, 24.4792, 18.9662)

Have a look what the booklet for
XYZ(16.7027, 24.4792, 18.9662)
contains.

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Color

**XYZ(16.6772, 24.4562,
18.8805)**

Conversions

Conversions Part 1

Format	Color
Hex	4B966F
RGB	75, 150, 111
RGB Percent	29%, 59%, 44%
CMY	0.7059, 0.4118, 0.5647
CMYK	0.50, 0.00, 0.26, 0.41
HSL	149°, 33%, 44%
HSV	149°, 50%, 59%
XYZ	16.6772, 24.4562, 18.8805
YIQ	123.1290, -32.1810, -28.0290

Conversions

Conversions Part 2

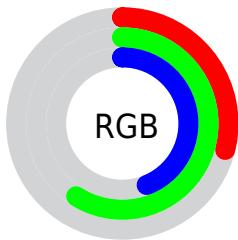
Format	Color
RYB	75, 126, 150
Decimal	4953711
CIELab	56.54, -32.76, 13.54
CIElCh	57, 35.451, 157.538
Yxy	24.4562, 0.2779, 0.4075
Android (android.graphics.Color)	4283143791 (0xFF4B966F)
YUV	123.1290, -5.9796, -42.2091
Hunter-Lab	49.4532, -26.3472, 11.9812

Details

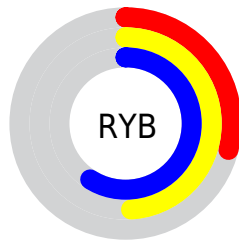
The XYZ color **16.6772, 24.4562, 18.8805** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.1317, 12.7316, 17.4221**, and the grayscale version is **18.8965, 19.8806, 21.6500**.

A 20% lighter version of the original color is **37.3443, 50.8962, 42.5060**, and **5.4786, 9.2044, 6.1905** is the 20% darker color. If you saturate the color by 10%, you get **15.2286, 23.7576, 16.6680**, and if you desaturate by 10%, it is **18.4413, 25.3144, 21.3046**.

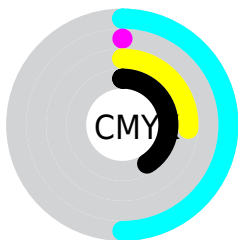
Distribution



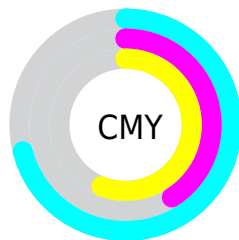
- Red (29%)
- Green (59%)
- Blue (44%)



- Red (29%)
- Yellow (49%)
- Blue (59%)



- Cyan (50%)
- Magenta (0%)
- Yellow (26%)
- Black (41%)



- Cyan (71%)
- Magenta (41%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6772, 24.4562, 18.8805 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 16.6772, 24.4562, 18.8805 by changing the saturation by 10% instead.

■ 16.6772, 24.4562,
18.8805

■ 16.6772, 24.4562,
18.8805

226.4979,
275.1188, 258.1890

■ 10.0985, 15.6724,
11.4080

■ 37.3180, 50.7736,
42.3661

■ 5.5271, 9.2926,
6.2244

■ 52.1107, 69.0760,
59.2163

■ 2.5976, 4.9325,
2.9110

■ 70.3722, 91.3201,
80.0294

■ 0.9447, 2.2077,
1.0494

■ 92.4678, 117.8902,
105.2241

■ 0.0000, 0.7242,
0.0000

■ 118.7628,
149.1707, 135.2189

■ 0.0000, 0.0000,
0.0000

149.6226,

185.5460, 170.4323

185.4125,
227.4006, 211.2828

■ 16.6772, 24.4562,
18.8805

■ 16.6772, 24.4562,
18.8805

■ 15.2286, 23.7576,
16.6680

■ 18.4413, 25.3144,
21.3046

■ 14.0728, 23.2050,
14.6596

■ 20.5376, 26.3389,
23.9444

■ 13.1872, 22.7876,
12.8495

■ 22.9840, 27.5393,
26.8058

■ 12.5444, 22.4914,
11.2310

■ 25.7965, 28.9237,
29.8942

■ 12.0765, 22.2814,
9.7952

■ 28.9902, 30.4999,
33.2144

■ 32.5790, 32.2750,
36.7715

■ 36.5765, 34.2559,
40.5701

■ 40.9953, 36.4489,
44.6148

■ 45.8476, 38.8603,
48.9100

Harmonies

Analogous

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



18.7528, 24.4562, 12.4070



16.6772, 24.4562, 18.8805



16.2549, 24.4562, 29.7109

Triad

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



16.6772, 24.4562, 18.8805



24.2976, 24.4562, 55.9744



30.0947, 24.4562, 15.0779

Complementary

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



16.6772, 24.4562, 18.8805



18.1317, 12.7316, 17.4221

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.



31.9968, 24.4562, 23.7673



16.6772, 24.4562, 18.8805



28.4025, 24.4562, 48.9212

Square

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



16.6772, 24.4562, 18.8805



20.3531, 24.4562, 53.5136



31.3437, 24.4562, 36.2505



26.3984, 24.4562, 10.7060

Rectangle

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



16.6772, 24.4562, 18.8805



16.9155, 24.4562, 38.5292



31.3437, 24.4562, 36.2505



30.9838, 24.4562, 17.4718

Sweetspot

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



16.6779, 24.4572, 18.8811



42.8129, 49.7069, 49.8181



19.2473, 25.9666, 10.6544



9.2826, 10.9147, 10.8132



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.6779, 24.4572, 18.8811



26.6067, 41.7968, 28.9766



19.1145, 25.4319, 31.7124



5.8386, 6.5120, 6.7609



10.0317, 18.4855, 8.2083



0.1375, 0.2322, 0.1782

Inverse Universe

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



18.1317, 12.7316, 17.4221



29.4737, 18.6583, 26.0875



16.4517, 12.0595, 8.5750



5.9192, 5.8627, 6.6805



11.5885, 5.8405, 6.5801



0.1567, 0.0774, 0.1590

Previews

White Background



This preview shows how the XYZ color 16.6772, 24.4562, 18.8805 looks on a white background.

Color Contrast Check

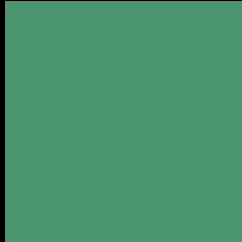
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6772, 24.4562, 18.8805 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

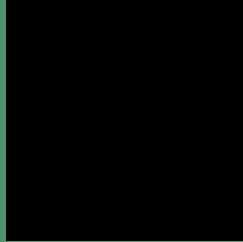
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.6772, 24.4562, 18.8805

Background



This preview shows how black text looks on a background with the XYZ color 16.6772, 24.4562, 18.8805.



This preview shows how white text looks on a background with the XYZ color 16.6772, 24.4562,

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

16.6772, 24.4562, 18.8805

Protanopia

22.6643, 24.2567, 16.5842

Deuteranopia

24.5947, 24.1716, 19.5890



Tritanopia

19.9045, 24.3731, 35.1079

Trichromacy



Original Color

16.6772, 24.4562, 18.8805

Protanomaly

19.6397, 23.7396, 17.4570

Deuteranomaly

20.5871, 23.5418, 19.3786

Tritanomaly

18.5798, 24.2902, 28.5202

Monochromacy



Original Color

16.6772, 24.4562, 18.8805

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.6612, 21.1711, 20.6084

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6772, 24.4562, 18.8805 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(75, 150, 111)` looks like.

```
.text, #text, p{  
    color:rgb(75, 150, 111)  
}
```

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(75, 150, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 150, 111) }
```

Border

The CSS property to change the border of an element to XYZ 16.6772, 24.4562, 18.8805 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(75, 150, 111) }
```


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

```
.border{ border-color:rgb(75, 150, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 150, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 150, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 150, 111);  
box-shadow:4px 4px 4px 4px rgb(75, 150,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6772, 24.4562, 18.8805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 150, 111) }
```

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

```
.background{ background-color: rgb(75, 150,  
111) }
```

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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