

Converting Colors

XYZ(14.4493, 16.5265, 16.0496)

Have a look what the booklet for
XYZ(14.4493, 16.5265, 16.0496)
contains.

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Color

**XYZ(14.4423, 16.5880,
16.0763)**

Conversions

Conversions Part 1

Format	Color
Hex	66756A
RGB	102, 117, 106
RGB Percent	40%, 46%, 42%
CMY	0.6000, 0.5412, 0.5843
CMYK	0.13, 0.00, 0.09, 0.54
HSL	136°, 7%, 43%
HSV	136°, 13%, 46%
XYZ	14.4423, 16.5880, 16.0763
YIQ	111.2610, -5.4090, -6.6010

Conversions

Conversions Part 2

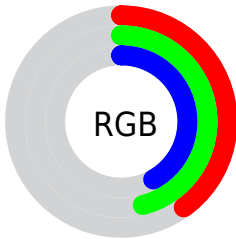
Format	Color
R_{YB}	102, 114, 117
Decimal	6714730
CIE _{Lab}	47.74, -7.92, 4.18
CIE _{LCh}	48, 8.954, 152.147
Yxy	16.5880, 0.3066, 0.3521
Android (android.graphics.Color)	4284904810 (0xFF66756A)
YUV	111.2610, -2.5937, -8.1219
Hunter-Lab	40.7284, -7.9785, 5.1069

Details

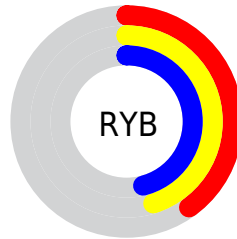
The XYZ color **14.4423, 16.5880, 16.0763** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.0687, 14.4773, 17.6237**, and the grayscale version is **15.1941, 15.9853, 17.4080**.

A 20% lighter version of the original color is **33.4106, 37.5826, 37.3915**, and **4.4931, 5.3842, 4.9401** is the 20% darker color. If you saturate the color by 10%, you get **12.7847, 15.7829, 13.7849**, and if you desaturate by 10%, it is **16.3327, 17.5088, 18.6124**.

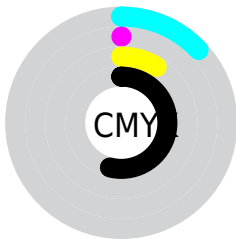
Distribution



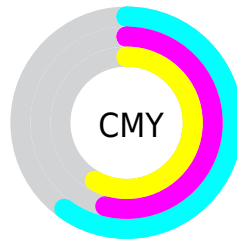
- Red (40%)
- Green (46%)
- Blue (42%)



- Red (40%)
- Yellow (45%)
- Blue (46%)



- Cyan (13%)
- Magenta (0%)
- Yellow (9%)
- Black (54%)



- Cyan (60%)
- Magenta (54%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4423, 16.5880, 16.0763 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 14.4423, 16.5880, 16.0763 by changing the saturation by 10% instead.

■ 14.4423, 16.5880,
16.0763

■ 14.4423, 16.5880,
16.0763

213.4213,
232.7868, 241.6526

■ 8.5127, 9.9412,
9.4232

■ 33.4515, 37.6160,
37.4992

■ 4.4793, 5.3600,
4.9177

■ 47.2619, 52.7660,
53.1062

■ 1.9767, 2.4600,
2.1412

■ 64.4298, 71.5192,
72.5348

■ 0.6208, 0.8565,
0.6401

■ 85.3208, 94.2600,
96.2037

■ 0.0000, 0.0000,
0.0000

110.3000,
121.3728, 124.5314

139.7329,

153.2419, 157.9364

173.9849,
190.2518, 196.8373

■ 14.4423, 16.5880,
16.0763

■ 14.4423, 16.5880,
16.0763

■ 12.7847, 15.7829,
13.7849

■ 16.3327, 17.5088,
18.6124

■ 11.3494, 15.0870,
11.7300

■ 18.4631, 18.5476,
21.3990

■ 10.1271, 14.4960,
9.9041

■ 20.8420, 19.7091,
24.4432

■ 9.1074, 14.0048,
8.2994

■ 23.4774, 20.9972,
27.7513

■ 8.2789, 13.6077,
6.9074

■ 26.3765, 22.4155,
31.3296

■ 7.6292, 13.2984,
5.7190

■ 29.5465, 23.9677,
35.1840

■ 7.1441, 13.0698,
4.7246

■ 32.9943, 25.6571,
39.3204

■ 6.8063, 12.9133,
3.9136

■ 36.7264, 27.4870,
43.7443

■ 6.6116, 12.8232,
3.4368

■ 40.7492, 29.4606,
48.4611

Harmonies

Analogous

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



14.9603, 16.5880, 14.5753



14.4423, 16.5880, 16.0763



14.2755, 16.5880, 18.2274

Triad

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



14.4423, 16.5880, 16.0763



15.8242, 16.5880, 22.8424



17.1080, 16.5880, 15.8127

Complementary

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



14.4423, 16.5880, 16.0763



15.0687, 14.4773, 17.6237

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.



17.3576, 16.5880, 17.8966



14.4423, 16.5880, 16.0763



16.6010, 16.5880, 22.0635

Square

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



14.4423, 16.5880, 16.0763



15.0571, 16.5880, 22.2530



17.1690, 16.5880, 20.2038



16.4977, 16.5880, 14.4325

Rectangle

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



14.4423, 16.5880, 16.0763



14.3812, 16.5880, 19.7775



17.1690, 16.5880, 20.2038



17.2378, 16.5880, 16.4477

Sweetspot

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



14.4428, 16.5887, 16.0767



28.7883, 31.1288, 32.7210



15.6025, 17.2101, 15.0701



6.5679, 7.1322, 7.4553



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



14.4428, 16.5887, 16.0767



25.0608, 29.3146, 27.6933



14.8361, 16.7460, 18.1477



3.6770, 4.1128, 4.1332



7.2782, 14.1253, 3.7553



35.1568, 68.7100, 16.6625

Inverse Universe

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



15.0687, 14.4773, 17.6237



26.3832, 24.8537, 30.9613



14.6765, 14.3204, 15.5585



3.7869, 3.7421, 4.4049



9.9181, 4.9010, 10.0431



47.9633, 23.7354, 46.9973

Previews

White Background



This preview shows how the XYZ color 14.4423, 16.5880, 16.0763 looks on a white background.

Color Contrast Check

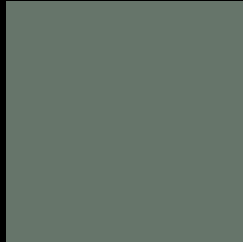
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.4423, 16.5880, 16.0763 looks on a black 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

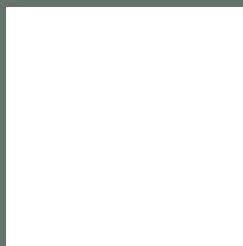
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.4423, 16.5880, 16.0763

Background



This preview shows how black text looks on a background with the XYZ color 14.4423, 16.5880, 16.0763.

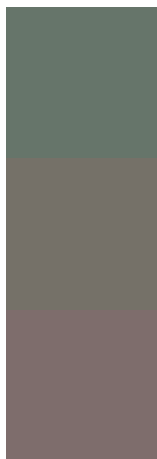


This preview shows how white text looks on a background with the XYZ color 14.4423, 16.5880,

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

14.4423, 16.5880, 16.0763

Protanopia

15.7399, 16.5916, 15.4696

Deuteranopia

16.7796, 16.4556, 16.4792



Tritanopia

15.4811, 16.4931, 21.4363

Trichromacy



Original Color

14.4423, 16.5880, 16.0763

Protanomaly

15.2492, 16.4993, 15.7456

Deuteranomaly

15.7841, 16.4318, 16.2497

Tritanomaly

15.0505, 16.4889, 19.2190

Monochromacy



Original Color

14.4423, 16.5880, 16.0763

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.8498, 16.1025, 16.7934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4423, 16.5880, 16.0763 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(102, 117, 106)` looks like.

```
.text, #text, p{  
    color:rgb(102, 117, 106)  
}
```

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(102, 117, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 117, 106) }
```

Border

The CSS property to change the border of an element to XYZ 14.4423, 16.5880, 16.0763 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(102, 117, 106) }
```


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

```
.border{ border-color:rgb(102, 117, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 117, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 117, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 117, 106);  
box-shadow:4px 4px 4px 4px rgb(102, 117,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4423, 16.5880, 16.0763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 117, 106) }
```

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

```
.background{ background-color: rgb(102,  
117, 106) }
```

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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