

Converting Colors

XYZ(14.7120, 16.8579, 18.0200)

Have a look what the booklet for
XYZ(14.7120, 16.8579, 18.0200)
contains.

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Color

**XYZ(14.7146, 16.8584,
18.1012)**

Conversions

Conversions Part 1

Format	Color
Hex	647671
RGB	100, 118, 113
RGB Percent	39%, 46%, 44%
CMY	0.6078, 0.5372, 0.5569
CMYK	0.15, 0.00, 0.04, 0.54
HSL	163°, 8%, 43%
HSV	163°, 15%, 46%
XYZ	14.7146, 16.8584, 18.1012
YIQ	112.0480, -9.1230, -5.3710

Conversions

Conversions Part 2

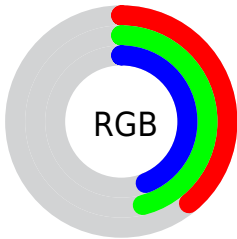
Format	Color
R_{YB}	100, 110, 118
Decimal	6583921
CIE Lab	48.08, -7.73, 0.51
CIE LCh	48, 7.752, 176.202
Yxy	16.8584, 0.2962, 0.3394
Android (android.graphics.Color)	4284774001 (0xFF647671)
YUV	112.0480, 0.4693, -10.5661
Hunter-Lab	41.0590, -7.8829, 2.6028

Details

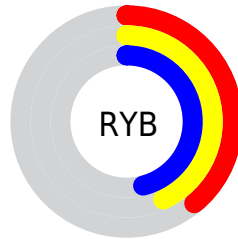
The XYZ color **14.7146, 16.8584, 18.1012** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.5788, 13.9863, 15.2967**, and the grayscale version is **15.4161, 16.2190, 17.6624**.

A 20% lighter version of the original color is **33.9288, 38.0454, 41.1526**, and **4.6125, 5.5189, 5.8232** is the 20% darker color. If you saturate the color by 10%, you get **13.3216, 16.1617, 17.0900**, and if you desaturate by 10%, it is **16.3043, 17.6566, 19.1571**.

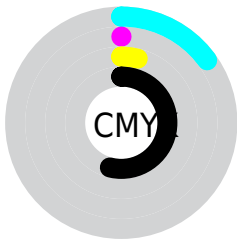
Distribution



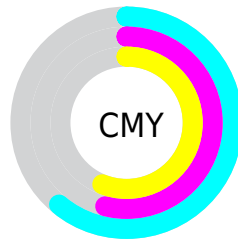
- Red (39%)
- Green (46%)
- Blue (44%)



- Red (39%)
- Yellow (43%)
- Blue (46%)



- Cyan (15%)
- Magenta (0%)
- Yellow (4%)
- Black (54%)



- Cyan (61%)
- Magenta (54%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7146, 16.8584, 18.1012 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 14.7146, 16.8584, 18.1012 by changing the saturation by 10% instead.

■ 14.7146, 16.8584,
18.1012

■ 14.7146, 16.8584,
18.1012

215.0550,
234.3551, 253.6961

■ 8.7043, 10.1336,
10.8525

■ 33.9275, 38.0822,
41.0260

■ 4.6044, 5.4876,
5.8548

■ 47.8609, 53.3499,
57.5391

■ 2.0494, 2.5361,
2.6896

■ 65.1660, 72.2340,
77.9774

■ 0.6615, 0.8947,
0.9382

■ 86.2081, 95.1190,
102.7595

■ 0.0000, 0.0000,
0.0000

111.3528,
122.3892, 132.3038

140.9653,

154.4290, 167.0290

175.4109,
191.6228, 207.3536

■ 14.7146, 16.8584,
18.1012

■ 14.7146, 16.8584,
18.1012

■ 13.3216, 16.1617,
17.0900

■ 16.3043, 17.6566,
19.1571

■ 12.1158, 15.5603,
16.1217

■ 18.0969, 18.5583,
20.2573

■ 11.0888, 15.0502,
15.1959

■ 20.1002, 19.5677,
21.4030

■ 10.2312, 14.6268,
14.3117

■ 22.3210, 20.6885,
22.5947

■ 9.5326, 14.2846,
13.4682

■ 24.7660, 21.9241,
23.8331

■ 8.9814, 14.0177,
12.6647

■ 27.4415, 23.2777,
25.1188

■ 8.5647, 13.8193,
11.8999

■ 30.3534, 24.7523,
26.4525

■ 8.2598, 13.6779,
11.1726

■ 33.5076, 26.3510,
27.8347

■ 8.1270, 13.6167,
10.8392

■ 36.9097, 28.0767,
29.2661

Harmonies

Analogous

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



14.9282, 16.8584, 16.2895



14.7146, 16.8584, 18.1012



14.8432, 16.8584, 20.1153

Triad

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



14.7146, 16.8584, 18.1012



16.6265, 16.8584, 22.0455



16.7856, 16.8584, 15.3287

Complementary

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



14.7146, 16.8584, 18.1012



14.5788, 13.9863, 15.2967

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.



17.2646, 16.8584, 16.7022



14.7146, 16.8584, 18.1012



17.1709, 16.8584, 20.5902

Square

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



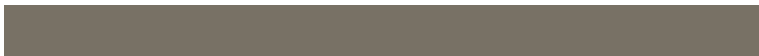
14.7146, 16.8584, 18.1012



15.9342, 16.8584, 22.4874



17.4076, 16.8584, 18.6130



16.1129, 16.8584, 14.7643

Rectangle

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



14.7146, 16.8584, 18.1012



15.1077, 16.8584, 21.2884



17.4076, 16.8584, 18.6130



16.9754, 16.8584, 15.7060

Sweetspot

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



14.7151, 16.8591, 18.1016



28.7058, 31.0643, 33.7078



14.6167, 16.8870, 14.5461



6.5625, 7.1234, 7.7261



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.



14.7151, 16.8591, 18.1016



25.0537, 29.2322, 31.2509



14.5547, 16.0752, 19.4760



3.7420, 4.1388, 4.4752



8.7864, 14.7286, 11.6974



42.4402, 71.6233, 55.0165

Inverse Universe

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



14.5788, 13.9863, 15.2967



24.7702, 23.2528, 25.4136



14.7123, 14.6527, 14.1098



3.7219, 3.7160, 4.0624



8.3717, 4.2824, 1.8994



40.4763, 20.7406, 7.5713

Previews

White Background



This preview shows how the XYZ color 14.7146, 16.8584, 18.1012 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 14.7146, 16.8584, 18.1012 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

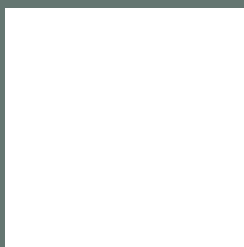
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.7146, 16.8584, 18.1012

Background



This preview shows how black text looks on a background with the XYZ color 14.7146, 16.8584, 18.1012.



This preview shows how white text looks on a background with the XYZ color 14.7146, 16.8584,

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

14.7146, 16.8584, 18.1012

Protanopia

16.0557, 16.7180, 17.1325

Deuteranopia

17.1279, 16.7496, 18.5499



Tritanopia

15.4266, 16.7962, 21.8310

Trichromacy



Original Color

14.7146, 16.8584, 18.1012

Protanomaly

15.5555, 16.7887, 17.4596

Deuteranomaly

16.1448, 16.7382, 18.2995

Tritanomaly

15.1793, 16.8698, 20.5453

Monochromacy



Original Color

14.7146, 16.8584, 18.1012

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.1263, 16.3926, 17.6961

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7146, 16.8584, 18.1012 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(100, 118, 113)` looks like.

```
.text, #text, p{  
    color:rgb(100, 118, 113)  
}
```

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(100, 118, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 118, 113) }
```

Border

The CSS property to change the border of an element to XYZ 14.7146, 16.8584, 18.1012 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(100, 118, 113) }
```


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

```
.border{ border-color:rgb(100, 118, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 118, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 118, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 118, 113);  
box-shadow:4px 4px 4px 4px rgb(100, 118,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7146, 16.8584, 18.1012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 118, 113) }
```

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

```
.background{ background-color: rgb(100,  
118, 113) }
```

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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