

Converting Colors

XYZ(14.9899, 16.8114, 20.3309)

Have a look what the booklet for
XYZ(14.9899, 16.8114, 20.3309)
contains.

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Color

**XYZ(14.8970, 16.7313,
20.2136)**

Conversions

Conversions Part 1

Format	Color
Hex	637578
RGB	99, 117, 120
RGB Percent	39%, 46%, 47%
CMY	0.6118, 0.5412, 0.5294
CMYK	0.17, 0.02, 0.00, 0.53
HSL	189°, 10%, 43%
HSV	189°, 17%, 47%
XYZ	14.8970, 16.7313, 20.2136
YIQ	111.9600, -11.6910, -2.8830

Conversions

Conversions Part 2

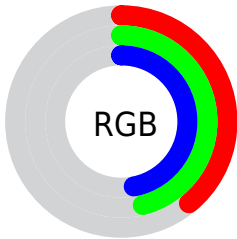
Format	Color
R_{YB}	99, 109, 120
Decimal	6518136
CIE _{Lab}	47.92, -5.93, -3.89
CIE _{LCh}	48, 7.094, 213.221
Yxy	16.7313, 0.2874, 0.3227
Android (android.graphics.Color)	4284708216 (0xFF637578)
YUV	111.9600, 3.9637, -11.3659
Hunter-Lab	40.9039, -6.5730, -0.6668

Details

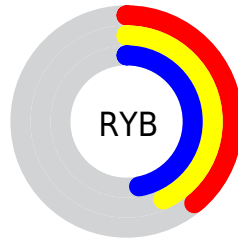
The XYZ color **14.8970, 16.7313, 20.2136** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.7493, 14.3965, 13.8060**, and the grayscale version is **15.3809, 16.1819, 17.6221**.

A 20% lighter version of the original color is **34.2120, 37.8385, 44.5301**, and **4.7140, 5.4542, 6.9352** is the 20% darker color. If you saturate the color by 10%, you get **13.4846, 15.7100, 20.0912**, and if you desaturate by 10%, it is **16.5089, 17.8618, 20.3471**.

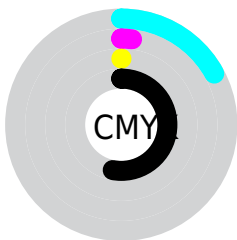
Distribution



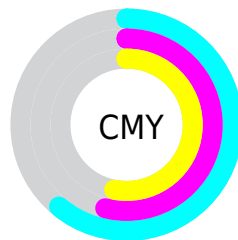
- Red (39%)
- Green (46%)
- Blue (47%)



- Red (39%)
- Yellow (43%)
- Blue (47%)



- Cyan (17%)
- Magenta (2%)
- Yellow (0%)
- Black (53%)



- Cyan (61%)
- Magenta (54%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8970, 16.7313, 20.2136 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 14.8970, 16.7313, 20.2136 by changing the saturation by 10% instead.

■ 14.8970, 16.7313,
20.2136

■ 14.8970, 16.7313,
20.2136

216.1427,
233.6191, 265.7115

■ 8.8330, 10.0431,
12.3648

■ 34.2455, 37.8632,
44.6387

■ 4.6886, 5.4275,
6.8671

■ 48.2607, 53.0757,
62.0520

■ 2.0986, 2.5002,
3.3019

■ 65.6571, 71.8984,
83.4906

■ 0.6885, 0.8768,
1.2508

■ 86.7998, 94.7158,
109.3730

■ 0.0000, 0.0000,
0.0209

112.0544,
121.9121, 140.1178

■ 0.0000, 0.0000,
0.0000

141.7862,

153.8719, 176.1434

176.3605,
190.9794, 217.8685

■ 14.8970, 16.7313,
20.2136

■ 14.8970, 16.7313,
20.2136

■ 13.4846, 15.7100,
20.0912

■ 16.5089, 17.8618,
20.3471

■ 12.2615, 14.7912,
19.9783

■ 18.3269, 19.1035,
20.4910

■ 11.2192, 13.9710,
19.8749

■ 20.3591, 20.4611,
20.6459

■ 10.3476, 13.2442,
19.7806

■ 22.6126, 21.9383,
20.8123

■ 9.6357, 12.6049,
19.6947

■ 25.0943, 23.5388,
20.9904

■ 9.0711, 12.0469,
19.6168

■ 27.8109, 25.2658,
21.1806

■ 8.6399, 11.5629,
19.5461

■ 30.7686, 27.1227,
21.3831

■ 8.3076, 11.1352,
19.4810

■ 33.9734, 29.1127,
21.5983

■ 8.2274, 11.0305,
19.4650

■ 37.4313, 31.2388,
21.8264

Harmonies

Analogous

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



14.7075, 16.7313, 18.4159



14.8970, 16.7313, 20.2136



15.3556, 16.7313, 21.5420

Triad

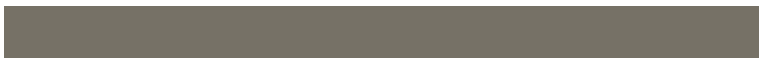
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



14.8970, 16.7313, 20.2136



17.0246, 16.7313, 19.8489



15.8337, 16.7313, 14.9262

Complementary

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



14.8970, 16.7313, 20.2136



14.7493, 14.3965, 13.8060

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.



16.4625, 16.7313, 15.2540



14.8970, 16.7313, 20.2136



17.1608, 16.7313, 18.0206

Square

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



14.8970, 16.7313, 20.2136



16.5851, 16.7313, 21.3217



16.9525, 16.7313, 16.3574



15.2391, 16.7313, 15.4303

Rectangle

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



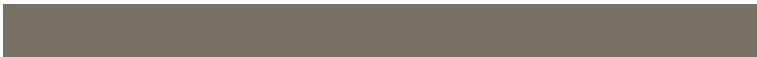
14.8970, 16.7313, 20.2136



15.7580, 16.7313, 21.9388



16.9525, 16.7313, 16.3574



16.0480, 16.7313, 14.9428

Sweetspot

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



14.8975, 16.7320, 20.2140



29.7626, 31.9164, 35.8449



14.2506, 17.0412, 15.0568



7.0118, 7.5352, 8.4916



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



14.8975, 16.7320, 20.2140



25.1629, 28.6842, 35.4635



13.7624, 14.4619, 19.8356



4.0606, 4.4196, 5.0822



8.9678, 12.0181, 21.2324



42.3029, 56.3784, 101.1223

Inverse Universe

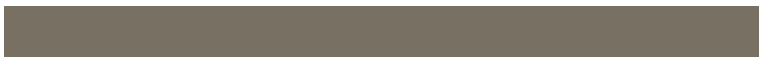
The Inverse Universe completely reimagines the original color for something new.



15.4188, 14.2014, 18.7589



26.2687, 23.3911, 32.3603



15.8254, 16.5488, 14.1647



4.1311, 4.0681, 4.8878



11.1099, 5.4201, 14.4013



52.7557, 25.7586, 67.4347

Previews

White Background



This preview shows how the XYZ color 14.8970, 16.7313, 20.2136 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 14.8970, 16.7313, 20.2136 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

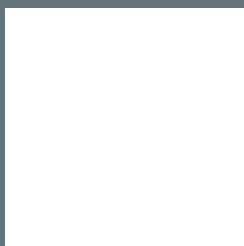
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.8970, 16.7313, 20.2136

Background



This preview shows how black text looks on a background with the XYZ color 14.8970, 16.7313, 20.2136.



This preview shows how white text looks on a background with the XYZ color 14.8970, 16.7313,

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

14.8970, 16.7313, 20.2136

Protanopia

16.1146, 16.6957, 19.5128

Deuteranopia

16.9123, 16.5973, 20.4014



Tritanopia

15.2026, 16.6808, 21.8205

Trichromacy



Original Color

14.8970, 16.7313, 20.2136

Protanomaly

15.6538, 16.6177, 19.8353

Deuteranomaly

16.1664, 16.7014, 20.4608

Tritanomaly

15.0761, 16.6302, 21.1542

Monochromacy



Original Color

14.8970, 16.7313, 20.2136

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.1752, 16.3982, 18.5850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8970, 16.7313, 20.2136 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(99, 117, 120) looks like.

```
.text, #text, p{  
    color:rgb(99, 117, 120)  
}
```

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(99, 117, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 117, 120) }
```

Border

The CSS property to change the border of an element to XYZ 14.8970, 16.7313, 20.2136 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(99, 117, 120) }
```


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

```
.border{ border-color:rgb(99, 117, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 117, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 117, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 117, 120);  
box-shadow:4px 4px 4px 4px rgb(99, 117,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8970, 16.7313, 20.2136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 117, 120) }
```

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

```
.background{ background-color: rgb(99, 117,  
120) }
```

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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