

Converting Colors

XYZ(14.6728, 16.7933, 20.1902)

Have a look what the booklet for
XYZ(14.6728, 16.7933, 20.1902)
contains.

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Color

**XYZ(14.6925, 16.7997,
20.2376)**

Conversions

Conversions Part 1

Format	Color
Hex	607678
RGB	96, 118, 120
RGB Percent	38%, 46%, 47%
CMY	0.6235, 0.5372, 0.5294
CMYK	0.20, 0.02, 0.00, 0.53
HSL	185°, 11%, 42%
HSV	185°, 20%, 47%
XYZ	14.6925, 16.7997, 20.2376
YIQ	111.6500, -13.7540, -4.0420

Conversions

Conversions Part 2

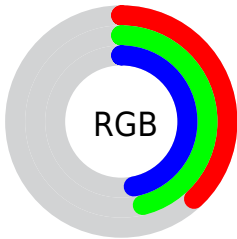
Format	Color
R_{YB}	96, 107, 120
Decimal	6321784
CIE _{Lab}	48.01, -7.55, -3.78
CIE _{LCh}	48, 8.443, 206.609
Yxy	16.7997, 0.2840, 0.3248
Android (android.graphics.Color)	4284511864 (0xFF607678)
YUV	111.6500, 4.1165, -13.7251
Hunter-Lab	40.9874, -7.7423, -0.5833

Details

The XYZ color **14.6925, 16.7997, 20.2376** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.2250, 13.5732, 12.9369**, and the grayscale version is **15.2903, 16.0865, 17.5182**.

A 20% lighter version of the original color is **33.8537, 37.9311, 44.5669**, and **4.6265, 5.5012, 6.9489** is the 20% darker color. If you saturate the color by 10%, you get **13.4082, 15.9642, 20.1443**, and if you desaturate by 10%, it is **16.1718, 17.7384, 20.3411**.

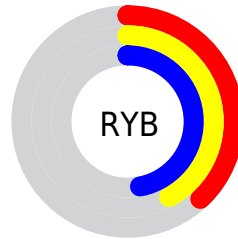
Distribution



Red (38%)

Green (46%)

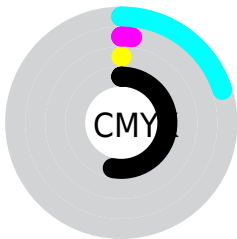
Blue (47%)



Red (38%)

Yellow (42%)

Blue (47%)

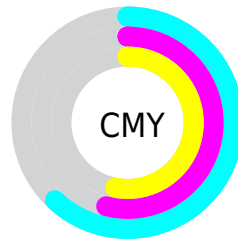


Cyan (20%)

Magenta (2%)

Yellow (0%)

Black (53%)



Cyan (62%)

Magenta (54%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6925, 16.7997, 20.2376 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 14.6925, 16.7997, 20.2376 by changing the saturation by 10% instead.

■ 14.6925, 16.7997,
20.2376

■ 14.6925, 16.7997,
20.2376

214.9229,
234.0155, 265.8452

■ 8.6888, 10.0918,
12.3821

■ 33.8889, 37.9811,
44.6794

■ 4.5942, 5.4599,
6.8788

■ 47.8123, 53.2233,
62.1027

■ 2.0435, 2.5195,
3.3091

■ 65.1063, 72.0791,
83.5524

■ 0.6582, 0.8864,
1.2545

■ 86.1363, 94.9329,
109.4470

■ 0.0000, 0.0000,
0.0241

111.2676,
122.1690, 140.2050

■ 0.0000, 0.0000,
0.0000

140.8655,

154.1719, 176.2450

175.2955,
191.3259, 217.9856

■ 14.6925, 16.7997,
20.2376

■ 14.6925, 16.7997,
20.2376

■ 13.4082, 15.9642,
20.1443

■ 16.1718, 17.7384,
20.3411

■ 12.3086, 15.2255,
20.0597

■ 17.8528, 18.7825,
20.4540

■ 11.3850, 14.5792,
19.9836

■ 19.7437, 19.9366,
20.5771

■ 10.6271, 14.0202,
19.9157

■ 21.8517, 21.2046,
20.7108

■ 10.0236, 13.5427,
19.8553

■ 24.1838, 22.5899,
20.8552

■ 9.5618, 13.1400,
19.8019

■ 26.7466, 24.0961,
21.0109

■ 9.2270, 12.8046,
19.7548

■ 29.5465, 25.7264,
21.1780

■ 8.9670, 12.5096,
19.7116

■ 32.5896, 27.4839,
21.3568

■ 8.9669, 12.5095,
19.7116

■ 35.8817, 29.3717,
21.5477

Harmonies

Analogous

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



14.5485, 16.7997, 18.0448



14.6925, 16.7997, 20.2376



15.1744, 16.7997, 22.0260

Triad

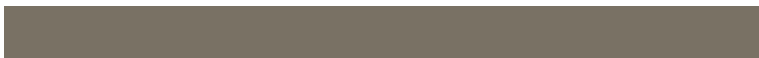
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



14.6925, 16.7997, 20.2376



17.2231, 16.7997, 20.7012



16.0545, 16.7997, 14.4130

Complementary

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



14.6925, 16.7997, 20.2376



14.2250, 13.5732, 12.9369

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.



16.7880, 16.7997, 15.0059



14.6925, 16.7997, 20.2376



17.4761, 16.7997, 18.5415

Square

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



14.6925, 16.7997, 20.2376



16.6332, 16.7997, 22.3082



17.3144, 16.7997, 16.4753



15.3200, 16.7997, 14.7893

Rectangle

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



14.6925, 16.7997, 20.2376



15.6305, 16.7997, 22.6876



17.3144, 16.7997, 16.4753



16.3095, 16.7997, 14.5043

Sweetspot

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



14.6930, 16.8004, 20.2380



29.5389, 31.8831, 35.8503



13.7265, 16.7944, 13.9751



6.9665, 7.5348, 8.4939



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.



14.6930, 16.8004, 20.2380



24.7635, 28.8518, 35.5169



13.4098, 14.2340, 19.8102



4.0799, 4.4581, 5.0886



9.7774, 13.6372, 21.5022



46.3375, 64.4476, 102.4672

Inverse Universe

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



15.1990, 13.6673, 18.9772



25.8312, 22.3129, 32.8409



15.3903, 15.9037, 13.3254



4.1408, 4.0720, 4.9390



11.5185, 5.5835, 16.5531



54.7921, 26.5732, 78.1586

Previews

White Background



This preview shows how the XYZ color 14.6925, 16.7997, 20.2376 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 14.6925, 16.7997, 20.2376 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

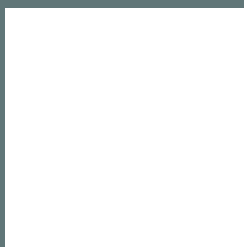
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.6925, 16.7997, 20.2376

Background



This preview shows how black text looks on a background with the XYZ color 14.6925, 16.7997, 20.2376.



This preview shows how white text looks on a background with the XYZ color 14.6925, 16.7997,

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

14.6925, 16.7997, 20.2376

Protanopia

16.1862, 16.7394, 19.2076

Deuteranopia

16.9739, 16.6219, 20.7261



Tritanopia

15.0570, 16.7703, 22.1821

Trichromacy



Original Color

14.6925, 16.7997, 20.2376

Protanomaly

15.5851, 16.7576, 19.5527

Deuteranomaly

16.0384, 16.6355, 20.4548

Tritanomaly

14.9291, 16.7192, 21.5091

Monochromacy



Original Color

14.6925, 16.7997, 20.2376

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.0557, 16.3366, 18.5794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6925, 16.7997, 20.2376 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(96, 118, 120) looks like.

```
.text, #text, p{  
    color:rgb(96, 118, 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(96, 118, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 118, 120) }
```

Border

The CSS property to change the border of an element to XYZ 14.6925, 16.7997, 20.2376 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(96, 118, 120) }
```


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

```
.border{ border-color:rgb(96, 118, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 118, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 118, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 118, 120);  
box-shadow:4px 4px 4px 4px rgb(96, 118,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6925, 16.7997, 20.2376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 118, 120) }
```

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

```
.background{ background-color: rgb(96, 118,  
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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