

Converting Colors

XYZ(16.9376, 20.1130, 14.2745)

Have a look what the booklet for
XYZ(16.9376, 20.1130, 14.2745)
contains.

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Color

**XYZ(16.9474, 20.1410,
14.3036)**

Conversions

Conversions Part 1

Format	Color
Hex	728161
RGB	114, 129, 97
RGB Percent	45%, 51%, 38%
CMY	0.5529, 0.4941, 0.6196
CMYK	0.12, 0.00, 0.25, 0.49
HSL	88°, 14%, 44%
HSV	88°, 25%, 51%
XYZ	16.9474, 20.1410, 14.3036
YIQ	120.8670, 1.3320, -13.1320

Conversions

Conversions Part 2

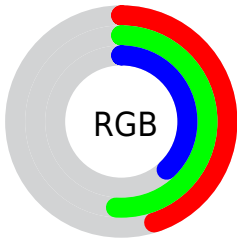
Format	Color
RYB	97, 129, 112
Decimal	7504225
CIELab	52.00, -11.67, 15.57
CIELCh	52, 19.451, 126.849
Yxy	20.1410, 0.3298, 0.3919
Android (android.graphics.Color)	4285694305 (0xFF728161)
YUV	120.8670, -11.7664, -6.0224
Hunter-Lab	44.8787, -11.1314, 12.5184

Details

The XYZ color **16.9474, 20.1410, 14.3036** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.9199, 13.5796, 22.6047**, and the grayscale version is **18.1680, 19.1141, 20.8153**.

A 20% lighter version of the original color is **37.7991, 43.7010, 34.4599**, and **5.6912, 7.1259, 4.0931** is the 20% darker color. If you saturate the color by 10%, you get **15.6335, 19.5282, 11.3536**, and if you desaturate by 10%, it is **18.4122, 20.8215, 17.7722**.

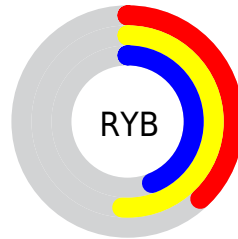
Distribution



Red (45%)

Green (51%)

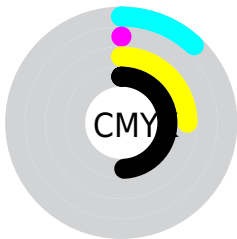
Blue (38%)



Red (38%)

Yellow (51%)

Blue (44%)

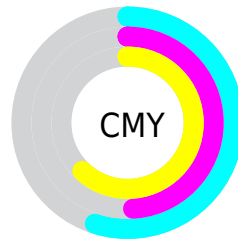


Cyan (12%)

Magenta (0%)

Yellow (25%)

Black (49%)



Cyan (55%)

Magenta (49%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9474, 20.1410, 14.3036 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 16.9474, 20.1410, 14.3036 by changing the saturation by 10% instead.

■ 16.9474, 20.1410,
14.3036

■ 16.9474, 20.1410,
14.3036

228.0312,
252.6774, 230.6052

■ 10.2921, 12.4976,
8.1910

■ 37.7796, 43.6535,
34.3516

■ 5.6568, 7.0835,
4.1279

■ 52.6872, 60.2913,
49.1241

■ 2.6762, 3.5144,
1.6958

■ 71.0763, 80.6960,
67.6202

■ 0.9849, 1.4058,
0.3578

■ 93.3122, 105.2521,
90.2586

■ 0.0000, 0.2210,
0.0000

119.7603,
134.3439, 117.4577

■ 0.0000, 0.0000,
0.0000

150.7859,

168.3557, 149.6362

186.7545,
207.6721, 187.2125

■ 16.9474, 20.1410,
14.3036

■ 16.9474, 20.1410,
14.3036

■ 15.6335, 19.5282,
11.3536

■ 18.4122, 20.8215,
17.7722

■ 14.4633, 18.9781,
8.8959

■ 20.0317, 21.5693,
21.7814

■ 13.4310, 18.4890,
6.9040

■ 21.8116, 22.3875,
26.3533

■ 12.5301, 18.0581,
5.3483

■ 23.7566, 23.2781,
31.5086

■ 11.7532, 17.6823,
4.1959

■ 25.8714, 24.2431,
37.2669

■ 11.0920, 17.3581,
3.4091

■ 28.1604, 25.2842,
43.6468

■ 10.5352, 17.0810,
2.9341

■ 30.6277, 26.4034,
50.6662

■ 10.2716, 16.9493,
2.7302

■ 33.2776, 27.6023,
58.3422

■ 36.1139, 28.8826,
66.6914

Harmonies

Analogous

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



18.6924, 20.1410, 12.7796



16.9474, 20.1410, 14.3036



15.8484, 20.1410, 17.9125

Triad

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



16.9474, 20.1410, 14.3036



17.6837, 20.1410, 33.5759



23.1825, 20.1410, 20.6539

Complementary

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



16.9474, 20.1410, 14.3036



14.9199, 13.5796, 22.6047

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.



22.8662, 20.1410, 26.5077



16.9474, 20.1410, 14.3036



19.6016, 20.1410, 34.6513

Square

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



16.9474, 20.1410, 14.3036



16.2525, 20.1410, 29.1494



21.5214, 20.1410, 31.8761



22.3582, 20.1410, 16.0136

Rectangle

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



16.9474, 20.1410, 14.3036



15.5843, 20.1410, 21.3356



21.5214, 20.1410, 31.8761



23.2069, 20.1410, 22.5355

Sweetspot

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



16.9479, 20.1419, 14.3040



35.1616, 38.2971, 37.2223



16.9985, 17.1045, 13.7151



7.9292, 8.6548, 8.3514



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.9479, 20.1419, 14.3040



28.9289, 35.4059, 22.3897



15.0527, 19.1649, 14.2153



4.4771, 4.9224, 4.6343



10.0192, 16.5275, 2.6621



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.9199, 13.5796, 22.6047



24.6181, 21.4553, 40.0363



17.1300, 14.7189, 22.7081



4.2856, 4.3028, 5.4179



5.7131, 2.4989, 20.4312



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.9474, 20.1410, 14.3036 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 16.9474, 20.1410, 14.3036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

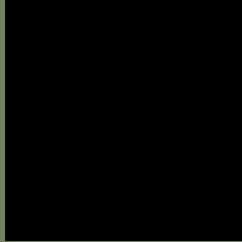
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.9474, 20.1410, 14.3036

Background



This preview shows how black text looks on a background with the XYZ color 16.9474, 20.1410, 14.3036.



This preview shows how white text looks on a background with the XYZ color 16.9474, 20.1410,

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

16.9474, 20.1410, 14.3036

Protanopia

18.7889, 20.1471, 13.7250

Deuteranopia

20.3506, 20.0238, 14.5968



Tritanopia

19.1185, 20.0585, 25.4183

Trichromacy



Original Color

16.9474, 20.1410, 14.3036

Protanomaly

18.0296, 20.1262, 14.0008

Deuteranomaly

18.9604, 20.0343, 14.4230

Tritanomaly

18.2482, 20.0841, 21.0040

Monochromacy



Original Color

16.9474, 20.1410, 14.3036

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.6035, 19.4367, 18.1531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9474, 20.1410, 14.3036 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(114, 129, 97)` looks like.

```
.text, #text, p{  
    color:rgb(114, 129, 97)  
}
```

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(114, 129, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 129, 97) }
```

Border

The CSS property to change the border of an element to XYZ 16.9474, 20.1410, 14.3036 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(114, 129, 97) }
```


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

```
.border{ border-color:rgb(114, 129, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 129, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 129, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 129, 97);  
box-shadow:4px 4px 4px 4px rgb(114, 129,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9474, 20.1410, 14.3036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 129, 97) }
```

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

```
.background{ background-color: rgb(114,  
129, 97) }
```

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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