

Converting Colors

XYZ(15.9654, 20.3517, 14.3716)

Have a look what the booklet for
XYZ(15.9654, 20.3517, 14.3716)
contains.

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Color

**XYZ(16.0247, 20.4629,
14.4144)**

Conversions

Conversions Part 1

Format	Color
Hex	668561
RGB	102, 133, 97
RGB Percent	40%, 52%, 38%
CMY	0.6000, 0.4784, 0.6196
CMYK	0.23, 0.00, 0.27, 0.48
HSL	112°, 16%, 45%
HSV	112°, 27%, 52%
XYZ	16.0247, 20.4629, 14.4144
YIQ	119.6270, -6.9200, -17.7680

Conversions

Conversions Part 2

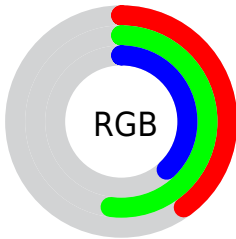
Format	Color
R_{YB}	97, 133, 128
Decimal	6718817
CIE _{Lab}	52.36, -18.42, 15.92
CIE _{LCh}	52, 24.350, 139.158
Yxy	20.4629, 0.3148, 0.4020
Android (android.graphics.Color)	4284908897 (0xFF668561)
YUV	119.6270, -11.1551, -15.4589
Hunter-Lab	45.2359, -15.9298, 12.7724

Details

The XYZ color **16.0247, 20.4629, 14.4144** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.4112, 14.8326, 24.1367**, and the grayscale version is **17.7700, 18.6955, 20.3593**.

A 20% lighter version of the original color is **36.2306, 44.1260, 34.6246**, and **5.1903, 7.2011, 4.1340** is the 20% darker color. If you saturate the color by 10%, you get **14.2464, 19.6125, 11.3610**, and if you desaturate by 10%, it is **18.0875, 21.4491, 18.0249**.

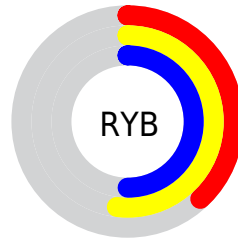
Distribution



Red (40%)

Green (52%)

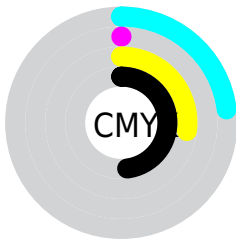
Blue (38%)



Red (38%)

Yellow (52%)

Blue (50%)

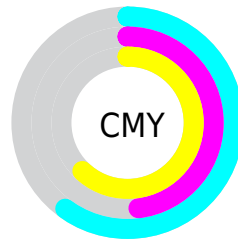


Cyan (23%)

Magenta (0%)

Yellow (27%)

Black (48%)



Cyan (60%)

Magenta (48%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0247, 20.4629, 14.4144 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 16.0247, 20.4629, 14.4144 by changing the saturation by 10% instead.

■ 16.0247, 20.4629,
14.4144

■ 16.0247, 20.4629,
14.4144

222.7549,
254.4102, 231.3112

■ 9.6326, 12.7320,
8.2674

■ 36.1982, 44.1919,
34.5502

■ 5.2164, 7.2442,
4.1763

■ 50.7103, 60.9588,
49.3761

■ 2.4109, 3.6153,
1.7226

■ 68.6597, 81.5065,
67.9320

■ 0.8505, 1.4608,
0.3761

■ 90.4119, 106.2193,
90.6365

■ 0.0000, 0.2609,
0.0000

116.3321,
135.4817, 117.9081

■ 0.0000, 0.0000,
0.0000

146.7858,

169.6780, 150.1654

182.1383,
209.1927, 187.8269

■ 16.0247, 20.4629,
14.4144

■ 16.0247, 20.4629,
14.4144

■ 14.2464, 19.6125,
11.3610

■ 18.0875, 21.4491,
18.0249

■ 12.7384, 18.8894,
8.8355

■ 20.4448, 22.5740,
22.2167

■ 11.4879, 18.2883,
6.8086

■ 23.1083, 23.8437,
27.0145

■ 10.4802, 17.8024,
5.2471

■ 26.0884, 25.2630,
32.4409

■ 9.6992, 17.4240,
4.1140

■ 29.3951, 26.8365,
38.5176

■ 9.1269, 17.1449,
3.3668

■ 33.0379, 28.5689,
45.2652

■ 8.7364, 16.9530,
2.9238

■ 37.0260, 30.4643,
52.7031

■ 8.6463, 16.9090,
2.8081

■ 41.3681, 32.5270,
60.8504

■ 46.0728, 34.7608,
69.7251

Harmonies

Analogous

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



17.9094, 20.4629, 11.6156



16.0247, 20.4629, 14.4144



15.0873, 20.4629, 19.7825

Triad

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



16.0247, 20.4629, 14.4144



18.5563, 20.4629, 38.7828



24.3693, 20.4629, 18.0489

Complementary

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



16.0247, 20.4629, 14.4144



17.4112, 14.8326, 24.1367

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.



24.5802, 20.4629, 24.9807



16.0247, 20.4629, 14.4144



21.0752, 20.4629, 38.0377

Square

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



16.0247, 20.4629, 14.4144



16.4632, 20.4629, 34.4463



23.3302, 20.4629, 32.5875



22.7765, 20.4629, 13.3809

Rectangle

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



16.0247, 20.4629, 14.4144



15.0666, 20.4629, 24.5516



23.3302, 20.4629, 32.5875



24.6090, 20.4629, 20.1542

Sweetspot

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



16.0252, 20.4638, 14.4148



36.1140, 40.1867, 38.8950



19.4985, 21.1848, 14.3710



8.0041, 8.9907, 8.5269



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.0252, 20.4638, 14.4148



26.8331, 35.7533, 22.5990



16.1107, 20.4344, 17.7336



4.6721, 5.2335, 4.9933



8.2399, 16.1077, 2.6748



0.0321, 0.0576, 0.0094

Inverse Universe

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



17.4112, 14.8326, 24.1367



29.7116, 24.0428, 42.8132



17.3628, 14.9023, 19.8589



4.7960, 4.7310, 5.8611



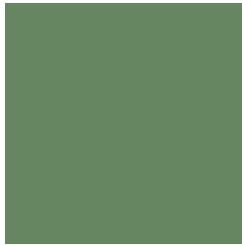
10.7134, 5.0571, 21.5482



0.0415, 0.0198, 0.0749

Previews

White Background



This preview shows how the XYZ color 16.0247, 20.4629, 14.4144 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 16.0247, 20.4629, 14.4144 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 16.0247, 20.4629, 14.4144

Background



This preview shows how black text looks on a background with the XYZ color 16.0247, 20.4629, 14.4144.



This preview shows how white text looks on a background with the XYZ color 16.0247, 20.4629,

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

16.0247, 20.4629, 14.4144

Protanopia

18.8563, 20.1922, 13.2596

Deuteranopia

20.6938, 20.3728, 14.8983



Tritanopia

18.6133, 20.5245, 27.0254

Trichromacy



Original Color

16.0247, 20.4629, 14.4144

Protanomaly

17.6358, 20.1245, 13.5446

Deuteranomaly

18.6390, 20.2352, 14.7278

Tritanomaly

17.5016, 20.4595, 21.7655

Monochromacy



Original Color

16.0247, 20.4629, 14.4144

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.0683, 19.3478, 18.1641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0247, 20.4629, 14.4144 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, 133, 97)` looks like.

```
.text, #text, p{  
    color:rgb(102, 133, 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(102, 133, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 133, 97) }
```

Border

The CSS property to change the border of an element to XYZ 16.0247, 20.4629, 14.4144 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, 133, 97) }
```


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

```
.border{ border-color:rgb(102, 133, 97) }
```

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

Here you see how a box with a 4 pixel rgb(102, 133, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 133, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 133, 97);  
box-shadow:4px 4px 4px 4px rgb(102, 133,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0247, 20.4629, 14.4144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 133, 97) }
```

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

```
.background{ background-color: rgb(102,  
133, 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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