

Converting Colors

XYZ(16.3761, 20.4111, 15.7807)

Have a look what the booklet for
XYZ(16.3761, 20.4111, 15.7807)
contains.

XYZ(16.4084, 20.4249, 15.9095)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.4084, 20.4249,
15.9095)**

Conversions

Conversions Part 1

Format	Color
Hex	688467
RGB	104, 132, 103
RGB Percent	41%, 52%, 40%
CMY	0.5922, 0.4823, 0.5961
CMYK	0.21, 0.00, 0.22, 0.48
HSL	118°, 12%, 46%
HSV	118°, 22%, 52%
XYZ	16.4084, 20.4249, 15.9095
YIQ	120.3220, -7.3790, -14.9550

Conversions

Conversions Part 2

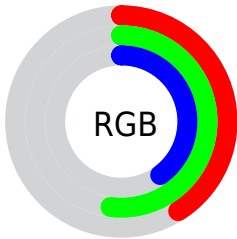
Format	Color
R_{YB}	103, 132, 131
Decimal	6849639
CIE _{Lab}	52.31, -16.05, 12.44
CIE _{LCh}	52, 20.309, 142.218
Y _{xy}	20.4249, 0.3111, 0.3873
Android (android.graphics.Color)	4285039719 (0xFF688467)
YUV	120.3220, -8.5397, -14.3144
Hunter-Lab	45.1939, -14.2820, 10.7640

Details

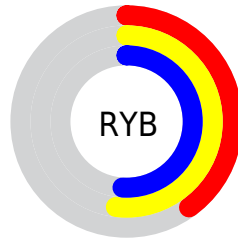
The XYZ color **16.4084, 20.4249, 15.9095** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.3760, 16.1923, 23.9878**, and the grayscale version is **17.9844, 18.9210, 20.6050**.

A 20% lighter version of the original color is **36.8920, 44.0989, 37.1394**, and **5.3620, 7.1609, 4.8410** is the 20% darker color. If you saturate the color by 10%, you get **14.4283, 19.4753, 12.6271**, and if you desaturate by 10%, it is **18.7178, 21.5334, 19.7543**.

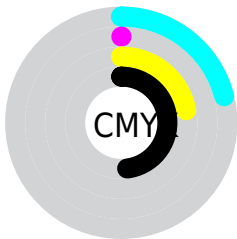
Distribution



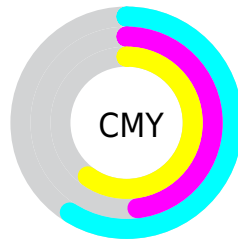
- Red (41%)
- Green (52%)
- Blue (40%)



- Red (40%)
- Yellow (52%)
- Blue (51%)



- Cyan (21%)
- Magenta (0%)
- Yellow (22%)
- Black (48%)



- Cyan (59%)
- Magenta (48%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4084, 20.4249, 15.9095 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 16.4084, 20.4249, 15.9095 by changing the saturation by 10% instead.

■ 16.4084, 20.4249,
15.9095

■ 16.4084, 20.4249,
15.9095

224.9630,
254.2061, 240.6346

■ 9.9063, 12.7043,
9.3065

■ 36.8575, 44.1284,
37.2056

■ 5.3987, 7.2252,
4.8421

■ 51.5352, 60.8801,
52.7358

■ 2.5202, 3.6034,
2.0978

■ 69.6688, 81.4109,
72.0788

■ 0.9054, 1.4543,
0.6145

■ 91.6237, 106.1053,
95.6531

■ 0.0000, 0.2562,
0.0000

117.7652,
135.3476, 123.8773

■ 0.0000, 0.0000,
0.0000

148.4587,

169.5223, 157.1699

184.0695,
209.0137, 195.9495

■ 16.4084, 20.4249,
15.9095

■ 16.4084, 20.4249,
15.9095

■ 14.4283, 19.4753,
12.6271

■ 18.7178, 21.5334,
19.7543

■ 12.7611, 18.6749,
9.8795

■ 21.3690, 22.8047,
24.1846

■ 11.3911, 18.0169,
7.6387

■ 24.3754, 24.2462,
29.2240

■ 10.3010, 17.4928,
5.8738

■ 27.7497, 25.8637,
34.8944

■ 9.4714, 17.0936,
4.5504

■ 31.5037, 27.6629,
41.2164

■ 8.8806, 16.8088,
3.6296

■ 35.6486, 29.6492,
48.2099

■ 8.5033, 16.6264,
3.0656

■ 40.1954, 31.8278,
55.8939

■ 8.3087, 16.5327,
2.7532

■ 45.1544, 34.2036,
64.2866

■ 50.5357, 36.7815,
73.4054

Harmonies

Analogous

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



17.9336, 20.4249, 13.1988



16.4084, 20.4249, 15.9095



15.6991, 20.4249, 20.7177

Triad

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



16.4084, 20.4249, 15.9095



18.8744, 20.4249, 35.6957



23.3744, 20.4249, 18.1666

Complementary

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



16.4084, 20.4249, 15.9095



18.3760, 16.1923, 23.9878

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.



23.6714, 20.4249, 23.8336



16.4084, 20.4249, 15.9095



20.9722, 20.4249, 34.6797

Square

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



16.4084, 20.4249, 15.9095



17.0548, 20.4249, 32.6270



22.7642, 20.4249, 30.0581



21.9797, 20.4249, 14.3297

Rectangle

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



16.4084, 20.4249, 15.9095



15.7460, 20.4249, 24.7639



22.7642, 20.4249, 30.0581



23.6098, 20.4249, 19.8923

Sweetspot

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



16.4089, 20.4258, 15.9099



35.1413, 38.9705, 38.4210



20.0208, 21.9978, 16.0230



8.1317, 9.0492, 8.8619



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.



16.4089, 20.4258, 15.9099



27.2244, 35.1728, 25.2383



17.0007, 20.6492, 19.6285



4.6301, 5.2118, 4.9913



8.0454, 16.0075, 2.6657



0.0288, 0.0559, 0.0093

Inverse Universe

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



18.3760, 16.1923, 23.9878



31.2828, 26.4365, 41.9071



17.6934, 15.9372, 19.5813



4.8424, 4.7549, 5.8633



12.5730, 6.0157, 21.6352



0.0448, 0.0215, 0.0750

Previews

White Background



This preview shows how the XYZ color 16.4084, 20.4249, 15.9095 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 16.4084, 20.4249, 15.9095 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 16.4084, 20.4249, 15.9095

Background



This preview shows how black text looks on a background with the XYZ color 16.4084, 20.4249, 15.9095.



This preview shows how white text looks on a background with the XYZ color 16.4084, 20.4249,

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

16.4084, 20.4249, 15.9095

Protanopia

18.9755, 20.2217, 14.7074

Deuteranopia

20.6457, 20.3132, 16.4684



Tritanopia

18.6072, 20.3287, 26.9879

Trichromacy



Original Color

16.4084, 20.4249, 15.9095

Protanomaly

17.9157, 20.2364, 15.0184

Deuteranomaly

18.8107, 20.1024, 16.2533

Tritanomaly

17.7363, 20.3693, 22.3989

Monochromacy



Original Color

16.4084, 20.4249, 15.9095

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.1843, 19.2076, 18.7213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4084, 20.4249, 15.9095 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(104, 132, 103)` looks like.

```
.text, #text, p{  
    color:rgb(104, 132, 103)  
}
```

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(104, 132, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 132, 103) }
```

Border

The CSS property to change the border of an element to XYZ 16.4084, 20.4249, 15.9095 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(104, 132, 103) }
```


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

```
.border{ border-color:rgb(104, 132, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 132, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 132, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 132, 103);  
box-shadow:4px 4px 4px 4px rgb(104, 132,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4084, 20.4249, 15.9095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 132, 103) }
```

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

```
.background{ background-color: rgb(104,  
132, 103) }
```

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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