

Converting Colors

XYZ(16.8097, 21.7514, 12.1166)

Have a look what the booklet for
XYZ(16.8097, 21.7514, 12.1166)
contains.

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Color

**XYZ(16.8097, 21.7514,
12.1166)**

Conversions

Conversions Part 1

Format	Color
Hex	6C8956
RGB	108, 137, 86
RGB Percent	42%, 54%, 34%
CMY	0.5765, 0.4627, 0.6627
CMYK	0.21, 0.00, 0.37, 0.46
HSL	94°, 23%, 44%
HSV	94°, 37%, 54%
XYZ	16.8097, 21.7514, 12.1166
YIQ	122.5150, -0.9130, -22.0090

Conversions

Conversions Part 2

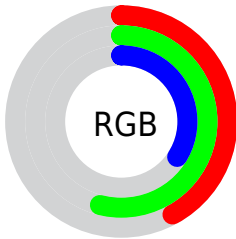
Format	Color
R_{YB}	86, 137, 115
Decimal	7113046
CIE _{Lab}	53.76, -20.04, 24.08
CIE _{LCh}	54, 31.330, 129.769
Yxy	21.7514, 0.3317, 0.4292
Android (android.graphics.Color)	4285303126 (0xFF6C8956)
YUV	122.5150, -18.0019, -12.7297
Hunter-Lab	46.6384, -17.2811, 17.2434

Details

The XYZ color **16.8097, 21.7514, 12.1166** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.9144, 12.1073, 25.2191**, and the grayscale version is **18.7251, 19.7003, 21.4536**.

A 20% lighter version of the original color is **37.5719, 46.5128, 30.2902**, and **5.5948, 7.8994, 3.2373** is the 20% darker color. If you saturate the color by 10%, you get **15.4044, 21.0854, 9.4405**, and if you desaturate by 10%, it is **18.4067, 22.5053, 15.3549**.

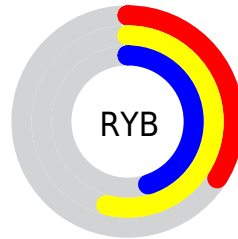
Distribution



Red (42%)

Green (54%)

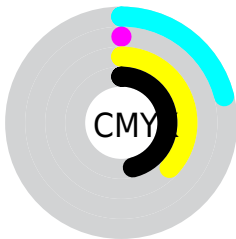
Blue (34%)



Red (34%)

Yellow (54%)

Blue (45%)

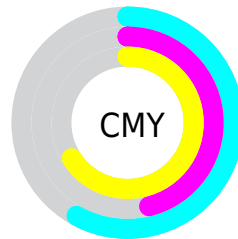


Cyan (21%)

Magenta (0%)

Yellow (37%)

Black (46%)



Cyan (58%)

Magenta (46%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8097, 21.7514, 12.1166 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 16.8097, 21.7514, 12.1166 by changing the saturation by 10% instead.

■ 16.8097, 21.7514,
12.1166

■ 16.8097, 21.7514,
12.1166

227.2510,
261.2453, 216.1809

■ 10.1934, 13.6743,
6.6996

■ 37.5445, 46.3348,
30.3749

■ 5.5906, 7.8945,
3.1994

■ 52.3937, 63.6099,
44.0532

■ 2.6361, 4.0275,
1.1973

■ 70.7178, 84.7198,
61.3225

■ 0.9644, 1.6890,
0.0000

■ 92.8824, 110.0489,
82.6012

■ 0.0000, 0.4165,
0.0000

■ 119.2526,
139.9816, 108.3078

■ 0.0000, 0.0000,
0.0000

150.1939,

174.9023, 138.8610

186.0716,
215.1954, 174.6792

■ 16.8097, 21.7514,
12.1166

■ 16.8097, 21.7514,
12.1166

■ 15.4044, 21.0854,
9.4405

■ 18.4067, 22.5053,
15.3549

■ 14.1807, 20.5008,
7.2933

■ 20.2014, 23.3476,
19.1836

■ 13.1304, 19.9949,
5.6400

■ 22.2016, 24.2824,
23.6306

■ 12.2434, 19.5632,
4.4410

■ 24.4141, 25.3126,
28.7216

■ 11.5087, 19.2012,
3.6507

■ 26.8455, 26.4411,
34.4808

■ 10.9071, 18.9008,
3.1825

■ 29.5020, 27.6705,
40.9314

■ 10.7553, 18.8249,
3.0667

■ 32.3894, 29.0035,
48.0951

■ 35.5137, 30.4425,
55.9930

■ 38.8801, 31.9900,
64.6451

Harmonies

Analogous

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



19.5968, 21.7514, 9.7263



16.8097, 21.7514, 12.1166



15.1841, 21.7514, 17.8430

Triad

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



16.8097, 21.7514, 12.1166



18.5190, 21.7514, 45.6385



27.7187, 21.7514, 20.6801

Complementary

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



16.8097, 21.7514, 12.1166



14.9144, 12.1073, 25.2191

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.



27.3495, 21.7514, 30.6770



16.8097, 21.7514, 12.1166



21.7900, 21.7514, 47.0043

Square

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



16.8097, 21.7514, 12.1166



16.0943, 21.7514, 37.6045



25.0894, 21.7514, 40.9464



26.0493, 21.7514, 13.7079

Rectangle

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



16.8097, 21.7514, 12.1166



14.8620, 21.7514, 23.6091



25.0894, 21.7514, 40.9464



27.8327, 21.7514, 23.7582

Sweetspot

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



16.8102, 21.7523, 12.1171



38.2734, 42.7906, 38.9817



18.1165, 18.2298, 11.3683



8.4924, 9.5547, 8.5383



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.8102, 21.7523, 12.1171



27.8776, 37.8973, 17.4442



14.6041, 20.5988, 12.7461



5.1631, 5.7068, 5.3818



10.0312, 17.5413, 2.8571



0.0829, 0.1249, 0.0197

Inverse Universe

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



14.9144, 12.1073, 25.2191



23.9464, 17.9188, 44.5797



17.9205, 13.6847, 24.1064



5.0290, 5.0234, 6.3104



7.1396, 3.1947, 22.2860



0.0642, 0.0299, 0.1488

Previews

White Background



This preview shows how the XYZ color 16.8097, 21.7514, 12.1166 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 16.8097, 21.7514, 12.1166 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 16.8097, 21.7514, 12.1166

Background



This preview shows how black text looks on a background with the XYZ color 16.8097, 21.7514, 12.1166.



This preview shows how white text looks on a background with the XYZ color 16.8097, 21.7514,

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

16.8097, 21.7514, 12.1166

Protanopia

19.8896, 21.5365, 11.0913

Deuteranopia

22.0230, 21.6595, 12.4712



Tritanopia

19.9928, 21.6014, 28.3150

Trichromacy



Original Color

16.8097, 21.7514, 12.1166

Protanomaly

18.5797, 21.4463, 11.3439

Deuteranomaly

19.7972, 21.4613, 12.3315

Tritanomaly

18.6488, 21.6662, 21.2883

Monochromacy



Original Color

16.8097, 21.7514, 12.1166

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.0049, 20.4157, 17.7435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8097, 21.7514, 12.1166 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(108, 137, 86)` looks like.

```
.text, #text, p{  
    color:rgb(108, 137, 86)  
}
```

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(108, 137, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 137, 86) }
```

Border

The CSS property to change the border of an element to XYZ 16.8097, 21.7514, 12.1166 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(108, 137, 86) }
```


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

```
.border{ border-color:rgb(108, 137, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 137, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 137, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 137, 86);  
box-shadow:4px 4px 4px 4px rgb(108, 137,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8097, 21.7514, 12.1166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 137, 86) }
```

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

```
.background{ background-color: rgb(108,  
137, 86) }
```

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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