

Converting Colors

XYZ(16.8210, 24.1482, 14.8408)

Have a look what the booklet for
XYZ(16.8210, 24.1482, 14.8408)
contains.

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Color

**XYZ(16.8210, 24.1482,
14.8408)**

Conversions

Conversions Part 1

Format	Color
Hex	599460
RGB	89, 148, 96
RGB Percent	35%, 58%, 38%
CMY	0.6510, 0.4196, 0.6235
CMYK	0.40, 0.00, 0.35, 0.42
HSL	127°, 25%, 46%
HSV	127°, 40%, 58%
XYZ	16.8210, 24.1482, 14.8408
YIQ	124.4310, -18.4720, -28.6800

Conversions

Conversions Part 2

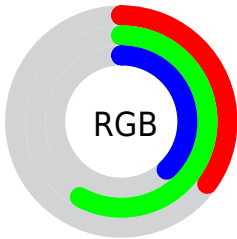
Format	Color
R_{YB}	89, 142, 148
Decimal	5870688
CIE _{Lab}	56.24, -30.64, 21.62
CIE _{LCh}	56, 37.499, 144.796
Yxy	24.1482, 0.3014, 0.4327
Android (android.graphics.Color)	4284060768 (0xFF599460)
YUV	124.4310, -14.0165, -31.0730
Hunter-Lab	49.1408, -24.8955, 16.4927

Details

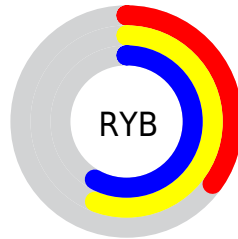
The XYZ color **16.8210, 24.1482, 14.8408** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.5936, 15.3641, 27.0802**, and the grayscale version is **19.3524, 20.3602, 22.1723**.

A 20% lighter version of the original color is **37.5423, 50.0984, 35.2950**, and **5.6284, 9.1832, 4.3816** is the 20% darker color. If you saturate the color by 10%, you get **14.9895, 23.2685, 11.8762**, and if you desaturate by 10%, it is **19.0389, 25.2170, 18.3448**.

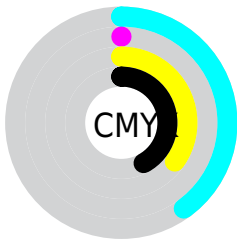
Distribution



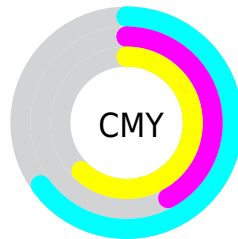
- Red (35%)
- Green (58%)
- Blue (38%)



- Red (35%)
- Yellow (56%)
- Blue (58%)



- Cyan (40%)
- Magenta (0%)
- Yellow (35%)
- Black (42%)



- Cyan (65%)
- Magenta (42%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8210, 24.1482, 14.8408 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 16.8210, 24.1482, 14.8408 by changing the saturation by 10% instead.

■ 16.8210, 24.1482,
14.8408

■ 16.8210, 24.1482,
14.8408

227.3151,
273.5689, 234.0081

■ 10.2015, 15.4436,
8.5624

■ 37.5638, 50.2719,
35.3120

■ 5.5960, 9.1313,
4.3639

■ 52.4178, 68.4598,
50.3418

■ 2.6393, 4.8269,
1.8271

■ 70.7473, 90.5777,
69.1259

■ 0.9660, 2.1461,
0.4457

■ 92.9177, 117.0097,
92.0826

■ 0.0000, 0.6903,
0.0000

119.2943,
148.1405, 119.6307

■ 0.0000, 0.0000,
0.0000

150.2425,

184.3544, 152.1886

186.1277,
226.0357, 190.1749

■ 16.8210, 24.1482,
14.8408

■ 16.8210, 24.1482,
14.8408

■ 14.9895, 23.2685,
11.8762

■ 19.0389, 25.2170,
18.3448

■ 13.5206, 22.5640,
9.4227

■ 21.6619, 26.4819,
22.4113

■ 12.3903, 22.0237,
7.4518


■ 24.7093, 27.9531,
27.0642


■ 11.5713, 21.6343,
5.9316


■ 28.1990, 29.6393,
32.3255


■ 11.0318, 21.3801,
4.8266


■ 32.1476, 31.5486,
38.2161


 10.6999, 21.2249,
4.0939

 36.5711, 33.6888,
44.7556

 10.6960, 21.2231,
4.0864

 41.4844, 36.0672,
51.9632

 46.9020, 38.6910,
59.8570

 52.8377, 41.5668,
68.4546

Harmonies

Analogous

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



19.6469, 24.1482, 10.0892



16.8210, 24.1482, 14.8408



15.6445, 24.1482, 24.1975

Triad

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



16.8210, 24.1482, 14.8408



22.2082, 24.1482, 57.7462



31.3334, 24.1482, 17.5376

Complementary

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



16.8210, 24.1482, 14.8408



20.5936, 15.3641, 27.0802

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.



32.2409, 24.1482, 28.5067



16.8210, 24.1482, 14.8408



26.6087, 24.1482, 54.2836

Square

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



16.8210, 24.1482, 14.8408



18.4957, 24.1482, 50.8654



30.4169, 24.1482, 42.4987



28.0724, 24.1482, 11.2699

Rectangle

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



16.8210, 24.1482, 14.8408



15.8317, 24.1482, 32.8370



30.4169, 24.1482, 42.4987



31.9398, 24.1482, 20.6824

Sweetspot

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



16.8216, 24.1492, 14.8413



42.2507, 48.6697, 45.7070



23.3984, 27.5753, 13.5405



9.4997, 11.0401, 10.2129



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.8216, 24.1492, 14.8413



26.7135, 41.1821, 21.3909



18.4366, 24.7952, 23.3456



5.7559, 6.4790, 6.3257



9.1416, 18.1294, 3.5211



0.1173, 0.2241, 0.0718

Inverse Universe

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



20.5936, 15.3641, 27.0802



34.3280, 23.4279, 46.0837



18.6891, 14.6023, 17.0514



6.0060, 5.8975, 7.1377



13.9050, 6.7671, 18.7786



0.1769, 0.0855, 0.2653

Previews

White Background



This preview shows how the XYZ color 16.8210, 24.1482, 14.8408 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 16.8210, 24.1482, 14.8408 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 16.8210, 24.1482, 14.8408

Background



This preview shows how black text looks on a background with the XYZ color 16.8210, 24.1482, 14.8408.



This preview shows how white text looks on a background with the XYZ color 16.8210, 24.1482,

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

16.8210, 24.1482, 14.8408

Protanopia

22.0476, 23.8081, 13.1063

Deuteranopia

24.2511, 23.8897, 15.3896



Tritanopia

20.5592, 24.0835, 33.2707

Trichromacy



Original Color

16.8210, 24.1482, 14.8408

Protanomaly

19.6218, 23.5979, 13.6459

Deuteranomaly

20.7292, 23.4957, 15.2470

Tritanomaly

19.0679, 24.1538, 25.4870

Monochromacy



Original Color

16.8210, 24.1482, 14.8408

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

17.9803, 21.3695, 19.0966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8210, 24.1482, 14.8408 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(89, 148, 96)` looks like.

```
.text, #text, p{  
    color:rgb(89, 148, 96)  
}
```

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(89, 148, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 148, 96) }
```

Border

The CSS property to change the border of an element to XYZ 16.8210, 24.1482, 14.8408 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(89, 148, 96) }
```


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

```
.border{ border-color:rgb(89, 148, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 148, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 148, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 148, 96);  
box-shadow:4px 4px 4px 4px rgb(89, 148,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8210, 24.1482, 14.8408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 148, 96) }
```

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

```
.background{ background-color: rgb(89, 148,  
96) }
```

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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