

Converting Colors

XYZ(16.4620, 23.9446, 14.6044)

Have a look what the booklet for
XYZ(16.4620, 23.9446, 14.6044)
contains.

XYZ(16.4932, 23.9845, 14.5867)	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(16.4932, 23.9845,
14.5867)**

Conversions

Conversions Part 1

Format	Color
Hex	56945F
RGB	86, 148, 95
RGB Percent	34%, 58%, 37%
CMY	0.6627, 0.4196, 0.6274
CMYK	0.42, 0.00, 0.36, 0.42
HSL	129°, 26%, 46%
HSV	129°, 42%, 58%
XYZ	16.4932, 23.9845, 14.5867
YIQ	123.4200, -19.9390, -29.6270

Conversions

Conversions Part 2

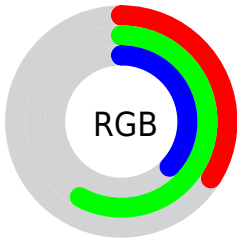
Format	Color
R_{YB}	86, 140, 148
Decimal	5674079
CIE _{Lab}	56.07, -31.77, 21.93
CIE _{LCh}	56, 38.603, 145.389
Yxy	23.9845, 0.2995, 0.4356
Android (android.graphics.Color)	4283864159 (0xFF56945F)
YUV	123.4200, -14.0111, -32.8173
Hunter-Lab	48.9740, -25.5901, 16.6225

Details

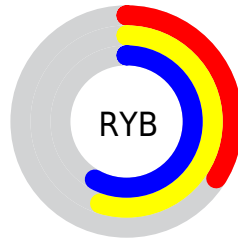
The XYZ color **16.4932, 23.9845, 14.5867** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.2015, 14.8159, 26.2218**, and the grayscale version is **19.0157, 20.0060, 21.7865**.

A 20% lighter version of the original color is **37.1917, 50.2762, 34.9382**, and **5.4679, 9.1029, 4.2651** is the 20% darker color. If you saturate the color by 10%, you get **14.7400, 23.1425, 11.7427**, and if you desaturate by 10%, it is **18.6233, 25.0113, 17.9370**.

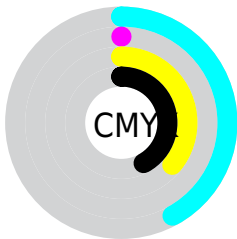
Distribution



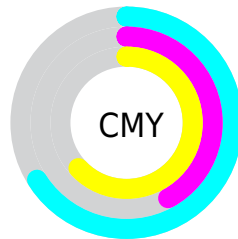
- Red (34%)
- Green (58%)
- Blue (37%)



- Red (34%)
- Yellow (55%)
- Blue (58%)



- Cyan (42%)
- Magenta (0%)
- Yellow (36%)
- Black (42%)



- Cyan (66%)
- Magenta (42%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4932, 23.9845, 14.5867 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 16.4932, 23.9845, 14.5867 by changing the saturation by 10% instead.

■ 16.4932, 23.9845,
14.5867

■ 16.4932, 23.9845,
14.5867

225.4483,
272.7421, 232.4048

■ 9.9669, 15.3221,
8.3865

■ 37.0029, 50.0049,
34.8585

■ 5.4391, 9.0458,
4.2519

■ 51.7170, 68.1317,
49.7671

■ 2.5445, 4.7710,
1.7645

■ 69.8911, 90.1821,
68.4155

■ 0.9178, 2.1136,
0.4044

■ 91.8904, 116.5406,
91.2224

■ 0.0000, 0.6722,
0.0000

■ 118.0805,
147.5914, 118.6062

■ 0.0000, 0.0000,
0.0000

148.8266,

183.7190, 150.9855

184.4941,
225.3078, 188.7789

■ 16.4932, 23.9845,
14.5867

■ 16.4932, 23.9845,
14.5867

■ 14.7400, 23.1425,
11.7427

■ 18.6233, 25.0113,
17.9370

■ 13.3397, 22.4715,
9.3789

■ 21.1486, 26.2300,
21.8148

■ 12.2686, 21.9605,
7.4692


■ 24.0886, 27.6507,
26.2421


■ 11.4992, 21.5959,
5.9844


■ 27.4609, 29.2820,
31.2393


■ 10.9992, 21.3618,
4.8918


■ 31.2819, 31.1322,
36.8256

 10.7303, 21.2368,
4.2669

 35.5675, 33.2088,
43.0192

 40.3324, 35.5192,
49.8379

 45.5911, 38.0705,
57.2983

 51.3571, 40.8692,
65.4167

Harmonies

Analogous

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



19.3435, 23.9845, 9.7210



16.4932, 23.9845, 14.5867



15.3317, 23.9845, 24.2069

Triad

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



16.4932, 23.9845, 14.5867



22.1202, 23.9845, 58.6618



31.3681, 23.9845, 17.0080

Complementary

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



16.4932, 23.9845, 14.5867



20.2015, 14.8159, 26.2218

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.



32.3598, 23.9845, 28.1209



16.4932, 23.9845, 14.5867



26.6378, 23.9845, 54.8508

Square

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



16.4932, 23.9845, 14.5867



18.3022, 23.9845, 51.7041



30.5305, 23.9845, 42.5220



27.9723, 23.9845, 10.7690

Rectangle

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



16.4932, 23.9845, 14.5867



15.5455, 23.9845, 33.1208



30.5305, 23.9845, 42.5220



32.0109, 23.9845, 20.1742

Sweetspot

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



16.4938, 23.9855, 14.5872



41.7480, 48.4218, 45.1747



23.0409, 27.4052, 12.8795



9.2793, 10.9324, 9.9363



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.



16.4938, 23.9855, 14.5872



26.2576, 40.9523, 21.1324



18.1470, 24.6468, 23.2930



5.7619, 6.4813, 6.3569



9.1717, 18.1415, 3.6797



0.1188, 0.2247, 0.0796

Inverse Universe

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



20.2015, 14.8159, 26.2218



33.6700, 22.5953, 44.3739



18.2872, 14.0502, 16.1414



5.9995, 5.8949, 7.1035



13.6844, 6.6788, 17.6169



0.1754, 0.0849, 0.2575

Previews

White Background



This preview shows how the XYZ color 16.4932, 23.9845, 14.5867 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 16.4932, 23.9845, 14.5867 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 16.4932, 23.9845, 14.5867

Background



This preview shows how black text looks on a background with the XYZ color 16.4932, 23.9845, 14.5867.



This preview shows how white text looks on a background with the XYZ color 16.4932, 23.9845,

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

16.4932, 23.9845, 14.5867

Protanopia

22.0053, 23.7912, 12.8836

Deuteranopia

24.0719, 23.6083, 15.0925



Tritanopia

20.2294, 23.9134, 33.2553

Trichromacy



Original Color

16.4932, 23.9845, 14.5867

Protanomaly

19.4331, 23.5057, 13.4103

Deuteranomaly

20.3843, 23.1153, 14.9426

Tritanomaly

18.6861, 23.9649, 25.1136

Monochromacy



Original Color

16.4932, 23.9845, 14.5867

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.6623, 21.0098, 18.7472

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4932, 23.9845, 14.5867 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(86, 148, 95)` looks like.

```
.text, #text, p{  
    color:rgb(86, 148, 95)  
}
```

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(86, 148, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 148, 95) }
```

Border

The CSS property to change the border of an element to XYZ 16.4932, 23.9845, 14.5867 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(86, 148, 95) }
```


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

```
.border{ border-color:rgb(86, 148, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 148, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 148, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 148, 95);  
box-shadow:4px 4px 4px 4px rgb(86, 148,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4932, 23.9845, 14.5867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 148, 95) }
```

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

```
.background{ background-color: rgb(86, 148,  
95) }
```

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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