

Converting Colors

XYZ(16.4144, 23.8609, 14.9177)

Have a look what the booklet for
XYZ(16.4144, 23.8609, 14.9177)
contains.

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Color

**XYZ(16.4475, 23.9556,
14.8234)**

Conversions

Conversions Part 1

Format	Color
Hex	559460
RGB	85, 148, 96
RGB Percent	33%, 58%, 38%
CMY	0.6667, 0.4196, 0.6235
CMYK	0.43, 0.00, 0.35, 0.42
HSL	130°, 27%, 46%
HSV	130°, 43%, 58%
XYZ	16.4475, 23.9556, 14.8234
YIQ	123.2350, -20.8560, -29.5280

Conversions

Conversions Part 2

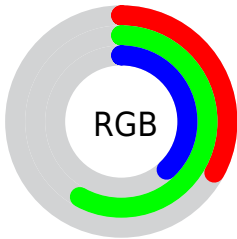
Format	Color
RYB	85, 139, 148
Decimal	5608544
CIELab	56.04, -31.90, 21.33
CIElCh	56, 38.375, 146.240
Yxy	23.9556, 0.2978, 0.4338
Android (android.graphics.Color)	4283798624 (0xFF559460)
YUV	123.2350, -13.4269, -33.5321
Hunter-Lab	48.9445, -25.6689, 16.3045

Details

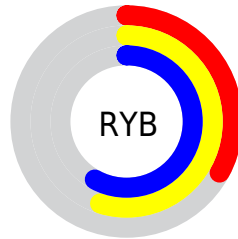
The XYZ color **16.4475, 23.9556, 14.8234** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.9773, 14.5994, 25.4326**, and the grayscale version is **18.9527, 19.9397, 21.7144**.

A 20% lighter version of the original color is **37.1036, 50.2217, 35.3420**, and **5.4563, 9.0945, 4.3736** is the 20% darker color. If you saturate the color by 10%, you get **14.7225, 23.1270, 12.0316**, and if you desaturate by 10%, it is **18.5423, 24.9660, 18.0898**.

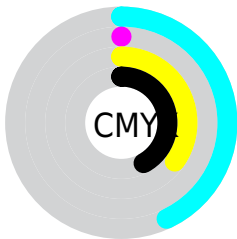
Distribution



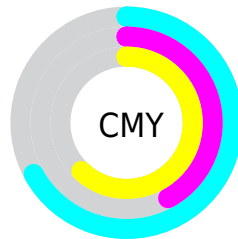
- Red (33%)
- Green (58%)
- Blue (38%)



- Red (33%)
- Yellow (55%)
- Blue (58%)



- Cyan (43%)
- Magenta (0%)
- Yellow (35%)
- Black (42%)



- Cyan (67%)
- Magenta (42%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4475, 23.9556, 14.8234 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 16.4475, 23.9556, 14.8234 by changing the saturation by 10% instead.

■ 16.4475, 23.9556,
14.8234

■ 16.4475, 23.9556,
14.8234

225.1869,
272.5959, 233.8986

■ 9.9342, 15.3007,
8.5503

■ 36.9246, 49.9577,
35.2810

■ 5.4173, 9.0307,
4.3563

■ 51.6191, 68.0738,
50.3025

■ 2.5314, 4.7612,
1.8227

■ 69.7713, 90.1123,
69.0773

■ 0.9111, 2.1078,
0.4429

■ 91.7467, 116.4576,
92.0239

■ 0.0000, 0.6690,
0.0000

■ 117.9107,
147.4943, 119.5608

■ 0.0000, 0.0000,
0.0000

148.6284,

183.6067, 152.1065

184.2654,
225.1791, 190.0796

■ 16.4475, 23.9556,
14.8234

■ 16.4475, 23.9556,
14.8234

■ 14.7225, 23.1270,
12.0316

■ 18.5423, 24.9660,
18.0898

■ 13.3436, 22.4666,
9.6908

■ 21.0248, 26.1652,
21.8498

■ 12.2876, 21.9634,
7.7777


■ 23.9142, 27.5631,
26.1234


■ 11.5271, 21.6041,
6.2664


■ 27.2277, 29.1684,
30.9287


■ 11.0306, 21.3727,
5.1280


■ 30.9816, 30.9889,
36.2833

 10.7751, 21.2546,
4.5028

 35.1913, 33.0324,
42.2037

 39.8714, 35.3061,
48.7059

 45.0360, 37.8167,
55.8052

 50.6985, 40.5710,
63.5163

Harmonies

Analogous

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



19.2371, 23.9556, 9.8533



16.4475, 23.9556, 14.8234



15.3419, 23.9556, 24.5300

Triad

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



16.4475, 23.9556, 14.8234



22.2200, 23.9556, 58.4081



31.2109, 23.9556, 16.7885

Complementary

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



16.4475, 23.9556, 14.8234



19.9773, 14.5994, 25.4326

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.



32.2737, 23.9556, 27.7014



16.4475, 23.9556, 14.8234



26.7089, 23.9556, 54.3318

Square

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



16.4475, 23.9556, 14.8234



18.3928, 23.9556, 51.7867



30.5327, 23.9556, 41.9569



27.7896, 23.9556, 10.7052

Rectangle

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



16.4475, 23.9556, 14.8234



15.5881, 23.9556, 33.4454



30.5327, 23.9556, 41.9569



31.8733, 23.9556, 19.8900

Sweetspot

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



16.4481, 23.9566, 14.8239



41.8175, 48.4496, 45.5404



22.6292, 27.1975, 12.6514



9.2971, 10.9395, 10.0303



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.



16.4481, 23.9566, 14.8239



26.1272, 40.8773, 21.4783



18.1676, 24.6444, 23.8787



5.7685, 6.4840, 6.3918



9.2108, 18.1571, 3.8858



0.1205, 0.2253, 0.0883

Inverse Universe

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



19.9773, 14.5994, 25.4326



33.1873, 22.1277, 42.6780



18.0634, 13.8339, 15.3542



5.9923, 5.8920, 7.0656



13.4493, 6.5848, 16.3790



0.1738, 0.0843, 0.2489

Previews

White Background



This preview shows how the XYZ color 16.4475, 23.9556, 14.8234 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 16.4475, 23.9556, 14.8234 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 16.4475, 23.9556, 14.8234

Background



This preview shows how black text looks on a background with the XYZ color 16.4475, 23.9556, 14.8234.



This preview shows how white text looks on a background with the XYZ color 16.4475, 23.9556,

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

16.4475, 23.9556, 14.8234

Protanopia

22.0476, 23.8081, 13.1063

Deuteranopia

23.9240, 23.5265, 15.3367



Tritanopia

20.1221, 23.8581, 33.2503

Trichromacy



Original Color

16.4475, 23.9556, 14.8234

Protanomaly

19.3328, 23.4489, 13.6324

Deuteranomaly

20.2762, 23.0541, 15.1856

Tritanomaly

18.6523, 23.9396, 25.4675

Monochromacy



Original Color

16.4475, 23.9556, 14.8234

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.5386, 20.9460, 18.7414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4475, 23.9556, 14.8234 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(85, 148, 96)` looks like.

```
.text, #text, p{  
    color:rgb(85, 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(85, 148, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 148, 96) }
```

Border

The CSS property to change the border of an element to XYZ 16.4475, 23.9556, 14.8234 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(85, 148, 96) }
```


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

```
.border{ border-color:rgb(85, 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(85, 148, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 148, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 148, 96);  
box-shadow:4px 4px 4px 4px rgb(85, 148,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4475, 23.9556, 14.8234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 148, 96) }
```

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

```
.background{ background-color: rgb(85, 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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