

Converting Colors

XYZ(14.9932, 18.3287, 15.3999)

Have a look what the booklet for
XYZ(14.9932, 18.3287, 15.3999)
contains.

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Color

**XYZ(14.9874, 18.3359,
15.3196)**

Conversions

Conversions Part 1

Format	Color
Hex	647D66
RGB	100, 125, 102
RGB Percent	39%, 49%, 40%
CMY	0.6078, 0.5098, 0.6000
CMYK	0.20, 0.00, 0.18, 0.51
HSL	125°, 11%, 44%
HSV	125°, 20%, 49%
XYZ	14.9874, 18.3359, 15.3196
YIQ	114.9030, -7.5170, -12.4530

Conversions

Conversions Part 2

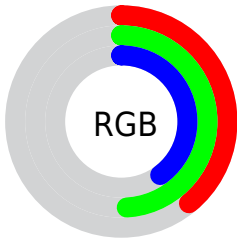
Format	Color
R_{YB}	100, 123, 125
Decimal	6585702
CIE Lab	49.90, -13.93, 9.60
CIE LCh	50, 16.918, 145.427
Yxy	18.3359, 0.3081, 0.3769
Android (android.graphics.Color)	4284775782 (0xFF647D66)
YUV	114.9030, -6.3612, -13.0699
Hunter-Lab	42.8204, -12.4597, 8.7625

Details

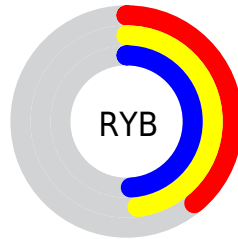
The XYZ color **14.9874, 18.3359, 15.3196** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.5904, 14.9047, 20.7422**, and the grayscale version is **16.2870, 17.1352, 18.6602**.

A 20% lighter version of the original color is **34.4327, 40.7200, 36.1819**, and **4.7422, 6.2016, 4.5615** is the 20% darker color. If you saturate the color by 10%, you get **13.1782, 17.4651, 12.4616**, and if you desaturate by 10%, it is **17.0889, 19.3493, 18.6052**.

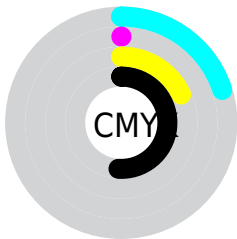
Distribution



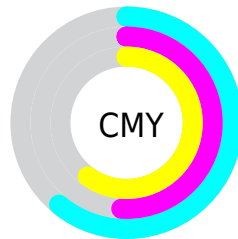
- Red (39%)
- Green (49%)
- Blue (40%)



- Red (39%)
- Yellow (48%)
- Blue (49%)



- Cyan (20%)
- Magenta (0%)
- Yellow (18%)
- Black (51%)



- Cyan (61%)
- Magenta (51%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9874, 18.3359, 15.3196 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 14.9874, 18.3359, 15.3196 by changing the saturation by 10% instead.

■ 14.9874, 18.3359,
15.3196

■ 14.9874, 18.3359,
15.3196

216.6798,
242.7576, 236.9996

■ 8.8968, 11.1914,
8.8949

■ 34.4029, 40.6089,
36.1631

■ 4.7305, 6.1957,
4.5768

■ 48.4585, 56.5061,
51.4189

■ 2.1231, 2.9645,
1.9468

■ 65.8999, 76.0898,
70.4556

■ 0.7017, 1.1132,
0.5223

■ 87.0923, 99.7442,
93.6916

■ 0.0000, 0.0000,
0.0000

112.4011,
127.8538, 121.5454

142.1918,

160.8030, 154.4357

176.8296,
198.9761, 192.7809

■ 14.9874, 18.3359,
15.3196

■ 14.9874, 18.3359,
15.3196

■ 13.1782, 17.4651,
12.4616

■ 17.0889, 19.3493,
18.6052

■ 11.6469, 16.7284,
10.0123

■ 19.4933, 20.5087,
22.3336

■ 10.3803, 16.1196,
7.9536

■ 22.2126, 21.8207,
26.5209

■ 9.3632, 15.6316,
6.2652

■ 25.2574, 23.2903,
31.1818

■ 8.5791, 15.2562,
4.9251

■ 28.6381, 24.9227,
36.3307

■ 8.0094, 14.9845,
3.9090

■ 32.3645, 26.7226,
41.9810

■ 7.6327, 14.8058,
3.1896

■ 36.4461, 28.6945,
48.1460

■ 7.3888, 14.6899,
2.7332

■ 40.8920, 30.8429,
54.8380

■ 45.7108, 33.1720,
62.0694

Harmonies

Analogous

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



16.1246, 18.3359, 12.9450



14.9874, 18.3359, 15.3196



14.5044, 18.3359, 19.2620

Triad

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



14.9874, 18.3359, 15.3196



17.1806, 18.3359, 30.2390



20.3940, 18.3359, 16.3752

Complementary

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



14.9874, 18.3359, 15.3196



16.5904, 14.9047, 20.7422

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.



20.7197, 18.3359, 20.6842



14.9874, 18.3359, 15.3196



18.7992, 18.3359, 29.1505

Square

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



14.9874, 18.3359, 15.3196



15.7197, 18.3359, 28.2449



20.1195, 18.3359, 25.4649



19.2551, 18.3359, 13.4850

Rectangle

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



14.9874, 18.3359, 15.3196



14.5950, 18.3359, 22.4321



20.1195, 18.3359, 25.4649



20.6051, 18.3359, 17.6851

Sweetspot

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



14.9879, 18.3367, 15.3200



32.1955, 35.4170, 35.7948



17.8508, 19.8239, 14.9422



7.2754, 8.0330, 8.0676



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



14.9879, 18.3367, 15.3200



25.2911, 32.0896, 24.9964



15.6364, 18.5961, 18.7352



4.2889, 4.8239, 4.6927



7.7100, 15.3306, 2.8457



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.5904, 14.9047, 20.7422



28.7078, 24.7714, 36.5563



15.8753, 14.6187, 16.9763



4.4838, 4.4067, 5.3521



12.0555, 5.8419, 17.4139



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 14.9874, 18.3359, 15.3196 looks on a white 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

Black Background



This preview shows how the XYZ color 14.9874, 18.3359, 15.3196 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 14.9874, 18.3359, 15.3196

Background



This preview shows how black text looks on a background with the XYZ color 14.9874, 18.3359, 15.3196.



This preview shows how white text looks on a background with the XYZ color 14.9874, 18.3359,

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

14.9874, 18.3359, 15.3196

Protanopia

17.1880, 18.2177, 14.4148

Deuteranopia

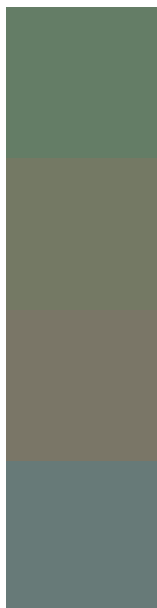
18.5077, 18.1850, 15.6313



Tritanopia

16.7598, 18.3167, 24.1249

Trichromacy



Original Color

14.9874, 18.3359, 15.3196

Protanomaly

16.3401, 18.3078, 14.7291

Deuteranomaly

16.9527, 18.0737, 15.4270

Tritanomaly

15.9432, 18.1587, 20.4340

Monochromacy



Original Color

14.9874, 18.3359, 15.3196

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

15.8417, 17.6344, 17.3207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9874, 18.3359, 15.3196 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(100, 125, 102)` looks like.

```
.text, #text, p{  
    color:rgb(100, 125, 102)  
}
```

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(100, 125, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 125, 102) }
```

Border

The CSS property to change the border of an element to XYZ 14.9874, 18.3359, 15.3196 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(100, 125, 102) }
```


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

```
.border{ border-color:rgb(100, 125, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 125, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 125, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 125, 102);  
box-shadow:4px 4px 4px 4px rgb(100, 125,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9874, 18.3359, 15.3196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 125, 102) }
```

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

```
.background{ background-color: rgb(100,  
125, 102) }
```

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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