

Converting Colors

XYZ(15.4200, 16.8432, 23.1246)

Have a look what the booklet for
XYZ(15.4200, 16.8432, 23.1246)
contains.

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Color

**XYZ(15.3534, 16.7284,
23.1886)**

Conversions

Conversions Part 1

Format	Color
Hex	637481
RGB	99, 116, 129
RGB Percent	39%, 45%, 51%
CMY	0.6118, 0.5451, 0.4941
CMYK	0.23, 0.10, 0.00, 0.49
HSL	206°, 13%, 45%
HSV	206°, 23%, 51%
XYZ	15.3534, 16.7284, 23.1886
YIQ	112.3990, -14.3050, 0.4390

Conversions

Conversions Part 2

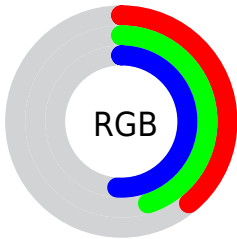
Format	Color
R_{YB}	99, 110, 129
Decimal	6517889
CIE _{Lab}	47.92, -3.19, -9.24
CIE _{LCh}	48, 9.772, 250.929
Yxy	16.7284, 0.2778, 0.3027
Android (android.graphics.Color)	4284707969 (0xFF637481)
YUV	112.3990, 8.1843, -11.7509
Hunter-Lab	40.9004, -4.5694, -4.9844

Details

The XYZ color **15.3534, 16.7284, 23.1886** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.0997, 17.1563, 14.2149**, and the grayscale version is **15.4984, 16.3055, 17.7567**.

A 20% lighter version of the original color is **35.0238, 37.8667, 49.7190**, and **4.9313, 5.4435, 8.3802** is the 20% darker color. If you saturate the color by 10%, you get **13.4302, 14.8095, 22.9198**, and if you desaturate by 10%, it is **17.5416, 18.8423, 23.4816**.

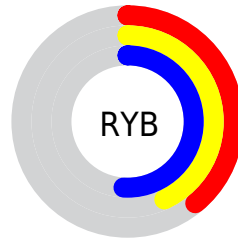
Distribution



Red (39%)

Green (45%)

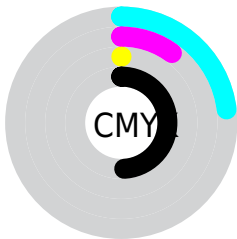
Blue (51%)



Red (39%)

Yellow (43%)

Blue (51%)

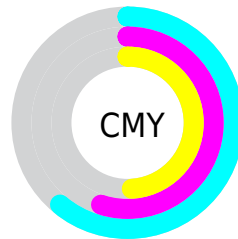


Cyan (23%)

Magenta (10%)

Yellow (0%)

Black (49%)



Cyan (61%)

Magenta (55%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3534, 16.7284, 23.1886 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 15.3534, 16.7284, 23.1886 by changing the saturation by 10% instead.

■ 15.3534, 16.7284,
23.1886

■ 15.3534, 16.7284,
23.1886

218.8416,
233.6023, 281.8455

■ 9.1557, 10.0410,
14.5262

■ 35.0386, 37.8582,
49.6299

■ 4.9008, 5.4262,
8.3446

■ 49.2567, 53.0694,
68.2460

■ 2.2233, 2.4994,
4.2253

■ 66.8791, 71.8908,
91.0170

■ 0.7550, 0.8763,
1.7498

■ 88.2711, 94.7065,
118.3615

■ 0.0000, 0.0000,
0.3945

113.7979,
121.9012, 150.6981

■ 0.0000, 0.0000,
0.0000

143.8251,

153.8591, 188.4452

178.7179,
190.9647, 232.0215

■ 15.3534, 16.7284,
23.1886

■ 15.3534, 16.7284,
23.1886

■ 13.4302, 14.8095,
22.9198

■ 17.5416, 18.8423,
23.4816

■ 11.7591, 13.0766,
22.6735

■ 20.0038, 21.1557,
23.7983

■ 10.3283, 11.5232,
22.4490

■ 22.7506, 23.6752,
24.1399

■ 9.1246, 10.1413,
22.2457

■ 25.7914, 26.4067,
24.5068

■ 8.1331, 8.9222,
22.0627

■ 29.1353, 29.3558,
24.8998

■ 7.3372, 7.8562,
21.8989

■ 32.7909, 32.5278,
25.3194

■ 6.7167, 6.9317,
21.7531

■ 36.7664, 35.9279,
25.7662

■ 6.3521, 6.3642,
21.6628

■ 41.0699, 39.5609,
26.2406

■ 45.7089, 43.4317,
26.7432

Harmonies

Analogous

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



14.6555, 16.7284, 21.5769



15.3534, 16.7284, 23.1886



16.2228, 16.7284, 23.3984

Triad

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



15.3534, 16.7284, 23.1886



17.6196, 16.7284, 17.3110



14.8170, 16.7284, 14.7932

Complementary

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



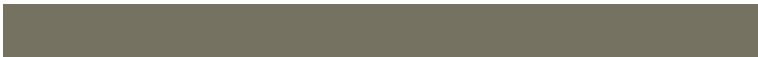
15.3534, 16.7284, 23.1886



17.0997, 17.1563, 14.2149

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.



15.5812, 16.7284, 13.8589



15.3534, 16.7284, 23.1886



17.2127, 16.7284, 15.2207

Square

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



15.3534, 16.7284, 23.1886



17.5531, 16.7284, 19.8439



16.4591, 16.7284, 14.0078



14.3538, 16.7284, 16.6766

Rectangle

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



15.3534, 16.7284, 23.1886



16.7854, 16.7284, 22.6952



16.4591, 16.7284, 14.0078



15.0460, 16.7284, 14.3660

Sweetspot

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



15.3539, 16.7291, 23.1890



34.0388, 36.2220, 42.3900



15.8930, 19.5122, 18.1126



7.6603, 8.1572, 9.5891



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



15.3539, 16.7291, 23.1890



25.5771, 28.0588, 41.2603



13.8107, 13.6427, 22.6746



4.2952, 4.5844, 5.4718



6.1974, 6.2133, 21.1226



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.6679, 14.8521, 18.5120



28.4071, 24.2097, 31.1437



18.8306, 20.6182, 14.7919



4.4218, 4.3819, 5.0259



10.0051, 5.0217, 6.6168



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.3534, 16.7284, 23.1886 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 15.3534, 16.7284, 23.1886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

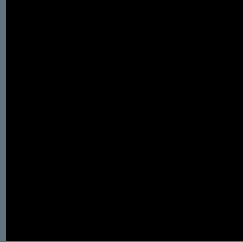
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

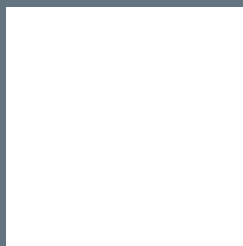
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.3534, 16.7284, 23.1886

Background



This preview shows how black text looks on a background with the XYZ color 15.3534, 16.7284, 23.1886.



This preview shows how white text looks on a background with the XYZ color 15.3534, 16.7284,

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

15.3534, 16.7284, 23.1886

Protanopia

16.4180, 16.7873, 22.4536

Deuteranopia

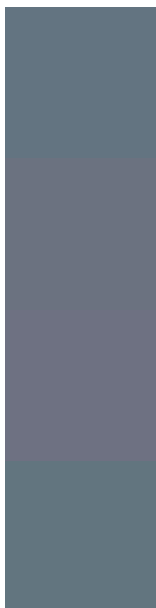
17.0498, 16.7625, 23.4560



Tritanopia

15.1642, 16.8256, 22.1871

Trichromacy



Original Color

15.3534, 16.7284, 23.1886

Protanomaly

15.9770, 16.7189, 22.8071

Deuteranomaly

16.3648, 16.7370, 23.4871

Tritanomaly

15.2291, 16.8516, 22.5287

Monochromacy



Original Color

15.3534, 16.7284, 23.1886

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.2385, 16.2441, 19.4718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3534, 16.7284, 23.1886 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(99, 116, 129) looks like.

```
.text, #text, p{  
    color:rgb(99, 116, 129)  
}
```

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(99, 116, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 116, 129) }
```

Border

The CSS property to change the border of an element to XYZ 15.3534, 16.7284, 23.1886 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(99, 116, 129) }
```


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

```
.border{ border-color:rgb(99, 116, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 116, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 116, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 116, 129);  
box-shadow:4px 4px 4px 4px rgb(99, 116,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3534, 16.7284, 23.1886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 116, 129) }
```

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

```
.background{ background-color: rgb(99, 116,  
129) }
```

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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