

Converting Colors

XYZ(15.9300, 16.2415, 24.4859)

Have a look what the booklet for
XYZ(15.9300, 16.2415, 24.4859)
contains.

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Color

**XYZ(15.8619, 16.1265,
24.4670)**

Conversions

Conversions Part 1

Format	Color
Hex	6A6F85
RGB	106, 111, 133
RGB Percent	42%, 44%, 52%
CMY	0.5843, 0.5647, 0.4784
CMYK	0.20, 0.17, 0.00, 0.48
HSL	229°, 11%, 47%
HSV	229°, 20%, 52%
XYZ	15.8619, 16.1265, 24.4670
YIQ	112.0130, -10.0420, 5.7820

Conversions

Conversions Part 2

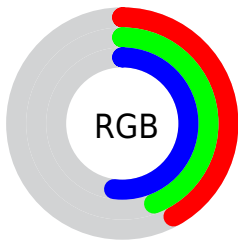
Format	Color
R _Y B	106, 110, 133
Decimal	6975365
CIE Lab	47.14, 3.13, -12.73
CIE LCh	47, 13.108, 283.794
Yxy	16.1265, 0.2810, 0.2857
Android (android.graphics.Color)	4285165445 (0xFF6A6F85)
YUV	112.0130, 10.3466, -5.2734
Hunter-Lab	40.1578, 0.2294, -8.0132

Details

The XYZ color **15.8619, 16.1265, 24.4670** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.9936, 21.4654, 16.7254**, and the grayscale version is **15.3780, 16.1789, 17.6188**.

A 20% lighter version of the original color is **36.0607, 37.0087, 51.6972**, and **5.0838, 5.0791, 8.8960** is the 20% darker color. If you saturate the color by 10%, you get **13.2908, 13.1513, 24.0285**, and if you desaturate by 10%, it is **18.8226, 19.5163, 24.9655**.

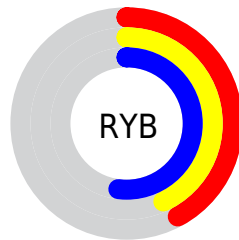
Distribution



Red (42%)

Green (44%)

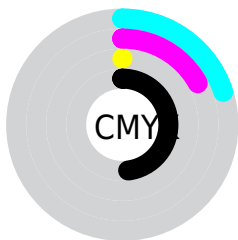
Blue (52%)



Red (42%)

Yellow (43%)

Blue (52%)

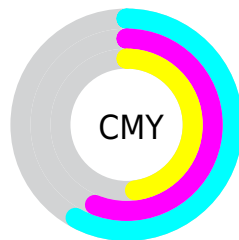


Cyan (20%)

Magenta (17%)

Yellow (0%)

Black (48%)



Cyan (58%)

Magenta (56%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8619, 16.1265, 24.4670 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 15.8619, 16.1265, 24.4670 by changing the saturation by 10% instead.

■ 15.8619, 16.1265,
24.4670

■ 15.8619, 16.1265,
24.4670

221.8119,
230.0870, 288.5353

■ 9.5167, 9.6137,
15.4650

■ 35.9177, 36.8177,
51.7446

■ 5.1395, 5.1436,
8.9961

■ 50.3590, 51.7649,
70.8572

■ 2.3649, 2.3318,
4.6419

■ 68.2297, 70.2923,
94.1772

■ 0.8276, 0.7904,
1.9837

■ 89.8952, 92.7844,
122.1229

■ 0.0000, 0.0000,
0.5452

115.7208,
119.6255, 155.1131

■ 0.0000, 0.0000,
0.0000

146.0719,

151.2000, 193.5662

181.3138,
187.8924, 237.9007

■ 15.8619, 16.1265,
24.4670

■ 15.8619, 16.1265,
24.4670

■ 13.2908, 13.1513,
24.0285

■ 18.8226, 19.5163,
24.9655

■ 11.0915, 10.5728,
23.6467

■ 22.1868, 23.3339,
25.5251

■ 9.2469, 8.3744,
23.3196

■ 25.9697, 27.5943,
26.1480

■ 7.7379, 6.5379,
23.0447

■ 30.1848, 32.3112,
26.8363

■ 6.5438, 5.0432,
22.8191

■ 34.8456, 37.4978,
27.5918

■ 5.6412, 3.8685,
22.6399

■ 39.9646, 43.1665,
28.4162

■ 5.0036, 2.9891,
22.5038

■ 45.5538, 49.3295,
29.3111

■ 4.5736, 2.3733,
22.4076

■ 51.6250, 55.9984,
30.2784

■ 58.1895, 63.1845,
31.3195

Harmonies

Analogous

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



14.7180, 16.1265, 24.3809



15.8619, 16.1265, 24.4670



16.9121, 16.1265, 22.5467

Triad

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



15.8619, 16.1265, 24.4670



16.9826, 16.1265, 13.5251



13.2979, 16.1265, 15.8477

Complementary

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



15.8619, 16.1265, 24.4670



19.9936, 21.4654, 16.7254

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.



13.8456, 16.1265, 13.3671



15.8619, 16.1265, 24.4670



15.9542, 16.1265, 12.1455

Square

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



15.8619, 16.1265, 24.4670



17.5807, 16.1265, 16.0897



14.8057, 16.1265, 12.0916



13.2760, 16.1265, 19.1152

Rectangle

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



15.8619, 16.1265, 24.4670



17.4019, 16.1265, 20.5114



14.8057, 16.1265, 12.0916



13.4254, 16.1265, 14.9045

Sweetspot

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



15.8624, 16.1272, 24.4674



36.1263, 37.7013, 45.1114



18.2017, 21.3875, 23.4534



8.0687, 8.4140, 10.1515



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



15.8624, 16.1272, 24.4674



26.3677, 26.5291, 43.4693



16.3404, 15.5860, 24.3377



4.4992, 4.6739, 5.8658



4.3611, 2.2701, 21.3450



0.0191, 0.0158, 0.0753

Inverse Universe

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



17.6965, 16.4427, 17.2807



30.2405, 27.2524, 28.2818



19.4322, 22.1684, 16.8907



4.7052, 4.7018, 5.0601



9.3794, 4.8161, 1.3044



0.0345, 0.0175, 0.0151

Previews

White Background



This preview shows how the XYZ color 15.8619, 16.1265, 24.4670 looks on a white background.

Color Contrast Check

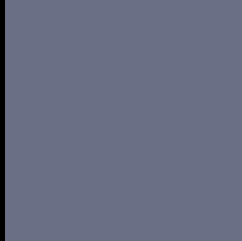
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.8619, 16.1265, 24.4670 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

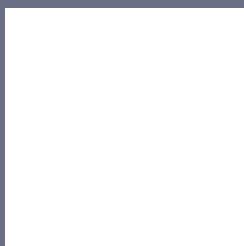
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8619, 16.1265, 24.4670

Background



This preview shows how black text looks on a background with the XYZ color 15.8619, 16.1265, 24.4670.



This preview shows how white text looks on a background with the XYZ color 15.8619, 16.1265,

24.4670.

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

15.8619, 16.1265, 24.4670

Protanopia

15.9815, 16.1881, 24.4726

Deuteranopia

16.3844, 16.0755, 24.4296



Tritanopia

15.1269, 16.1585, 20.7340

Trichromacy



Original Color

15.8619, 16.1265, 24.4670

Protanomaly

15.9815, 16.1881, 24.4726

Deuteranomaly

16.2400, 16.1603, 24.4536

Tritanomaly

15.3858, 16.0980, 22.0350

Monochromacy



Original Color

15.8619, 16.1265, 24.4670

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.6147, 16.2594, 20.0847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8619, 16.1265, 24.4670 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(106, 111, 133)` looks like.

```
.text, #text, p{  
    color:rgb(106, 111, 133)  
}
```

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(106, 111, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 111, 133) }
```

Border

The CSS property to change the border of an element to XYZ 15.8619, 16.1265, 24.4670 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(106, 111, 133) }
```


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

```
.border{ border-color:rgb(106, 111, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 111, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 111, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 111, 133);  
box-shadow:4px 4px 4px 4px rgb(106, 111,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8619, 16.1265, 24.4670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 111, 133) }
```

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

```
.background{ background-color: rgb(106,  
111, 133) }
```

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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