

Converting Colors

XYZ(13.9019, 15.5383, 29.1965)

Have a look what the booklet for
XYZ(13.9019, 15.5383, 29.1965)
contains.

XYZ(13.8758, 15.4954, 29.0476)	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(13.8758, 15.4954,
29.0476)**

Conversions

Conversions Part 1

Format	Color
Hex	497291
RGB	73, 114, 145
RGB Percent	29%, 45%, 57%
CMY	0.7137, 0.5529, 0.4314
CMYK	0.50, 0.21, 0.00, 0.43
HSL	206°, 33%, 43%
HSV	206°, 50%, 57%
XYZ	13.8758, 15.4954, 29.0476
YIQ	105.2750, -34.3870, 0.9490

Conversions

Conversions Part 2

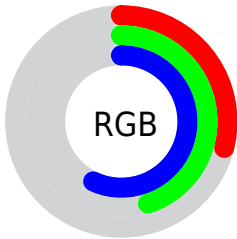
Format	Color
R_{YB}	73, 99, 145
Decimal	4813457
CIE _{Lab}	46.31, -5.28, -21.33
CIE _{LCh}	46, 21.971, 256.088
Yxy	15.4954, 0.2375, 0.2652
Android (android.graphics.Color)	4283003537 (0xFF497291)
YUV	105.2750, 19.5844, -28.3052
Hunter-Lab	39.3642, -5.9665, -16.1963

Details

The XYZ color **13.8758, 15.4954, 29.0476** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **17.8304, 16.4020, 8.5301**, and the grayscale version is **13.4575, 14.1583, 15.4184**.

A 20% lighter version of the original color is **32.5492, 35.8316, 59.2335**, and **4.1823, 4.8147, 11.2986** is the 20% darker color. If you saturate the color by 10%, you get **12.2224, 13.6333, 28.7756**, and if you desaturate by 10%, it is **15.8345, 17.5868, 29.3483**.

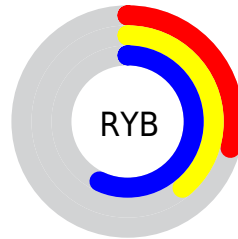
Distribution



Red (29%)

Green (45%)

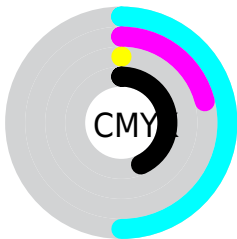
Blue (57%)



Red (29%)

Yellow (39%)

Blue (57%)

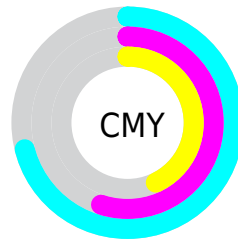


Cyan (50%)

Magenta (21%)

Yellow (0%)

Black (43%)



Cyan (71%)

Magenta (55%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8758, 15.4954, 29.0476 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 13.8758, 15.4954, 29.0476 by changing the saturation by 10% instead.

■ 13.8758, 15.4954,
29.0476

■ 13.8758, 15.4954,
29.0476

209.9829,
226.3455, 311.5074

■ 8.1155, 9.1678,
18.8709

■ 32.4566, 35.7199,
59.1958

■ 4.2213, 4.8508,
11.4012

■ 46.0078, 50.3857,
80.0044

■ 1.8281, 2.1600,
6.2198

■ 62.8866, 68.5996,
105.1941

■ 0.5345, 0.6980,
2.9083

■ 83.4584, 90.7461,
135.1834

■ 0.0000, 0.0000,
1.0480

■ 108.0886,
117.2095, 170.3908

■ 0.0000, 0.0000,
0.0000

137.1425,

148.3743, 211.2350

170.9855,
184.6248, 258.1343

■ 13.8758, 15.4954,
29.0476

■ 13.8758, 15.4954,
29.0476

■ 12.2224, 13.6333,
28.7756

■ 15.8345, 17.5868,
29.3483

■ 10.8536, 11.9877,
28.5301

■ 18.1142, 19.9162,
29.6778

■ 9.7487, 10.5465,
28.3102

■ 20.7313, 22.4935,
30.0373

■ 8.8828, 9.2956,
28.1144

■ 23.7004, 25.3277,
30.4279

■ 8.1941, 8.2014,
27.9395

■ 27.0356, 28.4273,
30.8504

■ 8.1713, 8.1652,
27.9337

■ 30.7497, 31.8001,
31.3056

■ 34.8553, 35.4537,
31.7945

■ 39.3641, 39.3955,
32.3177

■ 44.2873, 43.6324,
32.8760

Harmonies

Analogous

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



12.3604, 15.4954, 25.4827



13.8758, 15.4954, 29.0476



15.7525, 15.4954, 28.9017

Triad

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



13.8758, 15.4954, 29.0476



18.4813, 15.4954, 14.1626



12.2743, 15.4954, 10.6623

Complementary

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



13.8758, 15.4954, 29.0476



17.8304, 16.4020, 8.5301

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.



13.7487, 15.4954, 8.7516



13.8758, 15.4954, 29.0476



17.3799, 15.4954, 10.4588

Square

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



13.8758, 15.4954, 29.0476



18.5227, 15.4954, 19.4853



15.6142, 15.4954, 8.6861



11.4904, 15.4954, 14.5032

Rectangle

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



13.8758, 15.4954, 29.0476



16.9614, 15.4954, 26.6967



15.6142, 15.4954, 8.6861



12.6997, 15.4954, 9.8125

Sweetspot

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



13.8763, 15.4960, 29.0480



39.3552, 42.4277, 54.0887



15.3217, 22.6469, 16.3963



8.5377, 9.2301, 12.0038



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.8763, 15.4960, 29.0480



21.4632, 23.9186, 51.4591



10.6550, 9.0534, 27.9742



5.3684, 5.7326, 6.8523



7.0348, 7.0557, 23.9682



0.0892, 0.1113, 0.2365

Inverse Universe

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



17.0973, 12.0003, 17.3353



28.1908, 17.7700, 26.7366



22.1126, 24.9664, 9.9575



5.5294, 5.4723, 6.2859



11.3540, 5.6986, 7.5153



0.1196, 0.0589, 0.1302

Previews

White Background



This preview shows how the XYZ color 13.8758, 15.4954, 29.0476 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 13.8758, 15.4954, 29.0476 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

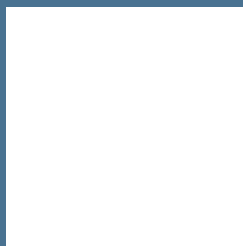
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8758, 15.4954, 29.0476

Background



This preview shows how black text looks on a background with the XYZ color 13.8758, 15.4954, 29.0476.

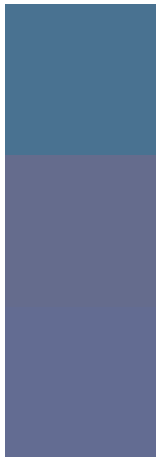


This preview shows how white text looks on a background with the XYZ color 13.8758, 15.4954,

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

13.8758, 15.4954, 29.0476

Protanopia

15.5371, 15.4149, 27.3558

Deuteranopia

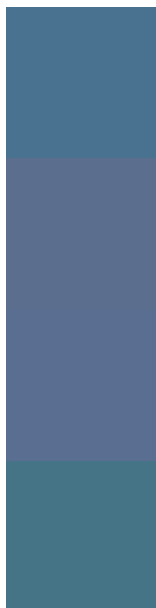
15.6965, 15.4531, 29.3496



Tritanopia

12.5068, 15.4482, 22.4013

Trichromacy



Original Color

13.8758, 15.4954, 29.0476

Protanomaly

14.7728, 15.3290, 27.7714

Deuteranomaly

14.9807, 15.4008, 29.3772

Tritanomaly

13.0027, 15.4772, 24.8563

Monochromacy



Original Color

13.8758, 15.4954, 29.0476

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.2669, 14.4083, 19.8511

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8758, 15.4954, 29.0476 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(73, 114, 145)` looks like.

```
.text, #text, p{  
    color:rgb(73, 114, 145)  
}
```

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(73, 114, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 114, 145) }
```

Border

The CSS property to change the border of an element to XYZ 13.8758, 15.4954, 29.0476 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(73, 114, 145) }
```


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

```
.border{ border-color:rgb(73, 114, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 114, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 114, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 114, 145);  
box-shadow:4px 4px 4px 4px rgb(73, 114,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8758, 15.4954, 29.0476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 114, 145) }
```

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

```
.background{ background-color: rgb(73, 114,  
145) }
```

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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