

Converting Colors

XYZ(15.8421, 16.9021, 27.3935)

Have a look what the booklet for
XYZ(15.8421, 16.9021, 27.3935)
contains.

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Color

**XYZ(15.8029, 16.8710,
27.2345)**

Conversions

Conversions Part 1

Format	Color
Hex	60748C
RGB	96, 116, 140
RGB Percent	38%, 45%, 55%
CMY	0.6235, 0.5451, 0.4510
CMYK	0.31, 0.17, 0.00, 0.45
HSL	213°, 19%, 46%
HSV	213°, 31%, 55%
XYZ	15.8029, 16.8710, 27.2345
YIQ	112.7560, -19.6240, 3.2240

Conversions

Conversions Part 2

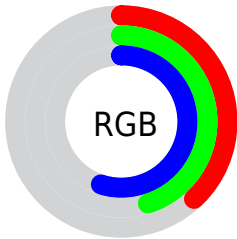
Format	Color
R_{YB}	96, 110, 140
Decimal	6321292
CIE _{Lab}	48.10, -1.34, -15.50
CIE _{LCh}	48, 15.559, 265.053
Yxy	16.8710, 0.2638, 0.2816
Android (android.graphics.Color)	4284511372 (0xFF60748C)
YUV	112.7560, 13.4313, -14.6950
Hunter-Lab	41.0743, -3.2041, -10.5605

Details

The XYZ color **15.8029, 16.8710, 27.2345** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.6434, 19.8533, 13.8636**, and the grayscale version is **15.5899, 16.4018, 17.8615**.

A 20% lighter version of the original color is **35.9530, 38.1962, 56.5166**, and **5.1315, 5.5008, 10.4642** is the 20% darker color. If you saturate the color by 10%, you get **13.6148, 14.4899, 26.8905**, and if you desaturate by 10%, it is **18.3268, 19.5334, 27.6157**.

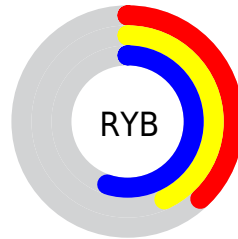
Distribution



Red (38%)

Green (45%)

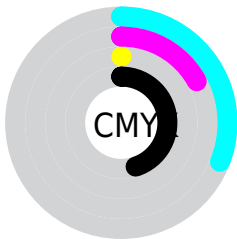
Blue (55%)



Red (38%)

Yellow (43%)

Blue (55%)

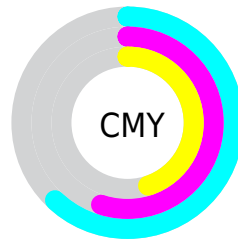


Cyan (31%)

Magenta (17%)

Yellow (0%)

Black (45%)



Cyan (62%)

Magenta (55%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8029, 16.8710, 27.2345 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 15.8029, 16.8710, 27.2345 by changing the saturation by 10% instead.

■ 15.8029, 16.8710,
27.2345

■ 15.8029, 16.8710,
27.2345

221.4692,
234.4279, 302.5868

■ 9.4747, 10.1426,
17.5154

■ 35.8159, 38.1038,
56.2682

■ 5.1117, 5.4936,
10.4368

■ 50.2315, 53.3770,
76.4200

■ 2.3484, 2.5397,
5.5802

■ 68.0736, 72.2673,
100.8864

■ 0.8192, 0.8964,
2.5269

■ 89.7075, 95.1590,
130.0859

■ 0.0000, 0.0000,
0.8544

115.4987,
122.4365, 164.4372

■ 0.0000, 0.0000,
0.0000

145.8125,

154.4842, 204.3587

181.0142,
191.6865, 250.2691

■ 15.8029, 16.8710,
27.2345

■ 15.8029, 16.8710,
27.2345

■ 13.6148, 14.4899,
26.8905

■ 18.3268, 19.5334,
27.6157

■ 11.7452, 12.3774,
26.5813

■ 21.1995, 22.4852,
28.0340

■ 10.1777, 10.5229,
26.3060

■ 24.4351, 25.7364,
28.4910

■ 8.8934, 8.9138,
26.0631

■ 28.0465, 29.2960,
28.9877

■ 7.8714, 7.5365,
25.8511

■ 32.0460, 33.1725,
29.5252

■ 7.0871, 6.3751,
25.6683

■ 36.4453, 37.3743,
30.1043

■ 6.5467, 5.5196,
25.5316

■ 41.2555, 41.9091,
30.7261

■ 46.4873, 46.7845,
31.3914

■ 52.1510, 52.0079,
32.1011

Harmonies

Analogous

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



14.5331, 16.8710, 25.4916



15.8029, 16.8710, 27.2345



17.2102, 16.8710, 26.3331

Triad

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



15.8029, 16.8710, 27.2345



18.6170, 16.8710, 15.2761



13.9157, 16.8710, 14.2741

Complementary

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



15.8029, 16.8710, 27.2345



19.6434, 19.8533, 13.8636

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.



14.9153, 16.8710, 12.1992



15.8029, 16.8710, 27.2345



17.6378, 16.8710, 12.7156

Square

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



15.8029, 16.8710, 27.2345



18.8887, 16.8710, 19.0469



16.2701, 16.8710, 11.6733



13.4849, 16.8710, 17.7087

Rectangle

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



15.8029, 16.8710, 27.2345



18.0303, 16.8710, 24.4141



16.2701, 16.8710, 11.6733



14.1934, 16.8710, 13.4155

Sweetspot

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



15.8034, 16.8717, 27.2349



38.5953, 40.8782, 49.5991



17.5603, 22.5865, 21.0347



8.7280, 9.2520, 11.4052



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



15.8034, 16.8717, 27.2349



24.9610, 26.6021, 47.5621



13.8967, 12.8269, 26.5547



4.9497, 5.2423, 6.3568



5.8363, 4.9429, 22.6922



0.0531, 0.0615, 0.1555

Inverse Universe

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



18.1509, 15.2027, 18.5014



29.8874, 23.4727, 29.1507



22.0595, 25.0499, 14.7393



5.1212, 5.0839, 5.7268



10.4327, 5.2832, 4.7830



0.0765, 0.0380, 0.0699

Previews

White Background



This preview shows how the XYZ color 15.8029, 16.8710, 27.2345 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 15.8029, 16.8710, 27.2345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

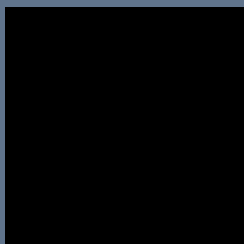
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

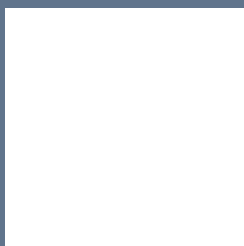
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8029, 16.8710, 27.2345

Background



This preview shows how black text looks on a background with the XYZ color 15.8029, 16.8710, 27.2345.



This preview shows how white text looks on a background with the XYZ color 15.8029, 16.8710,

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

15.8029, 16.8710, 27.2345

Protanopia

16.6769, 16.8334, 26.4150

Deuteranopia

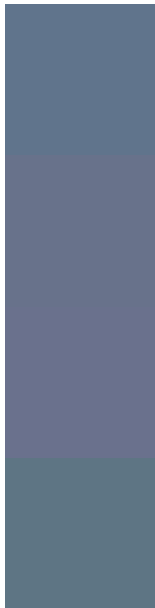
17.1574, 16.8909, 27.5553



Tritanopia

14.8889, 16.8425, 22.8883

Trichromacy



Original Color

15.8029, 16.8710, 27.2345

Protanomaly

16.3864, 16.8418, 26.8132

Deuteranomaly

16.6567, 16.7975, 27.5636

Tritanomaly

15.1422, 16.7682, 24.2683

Monochromacy



Original Color

15.8029, 16.8710, 27.2345

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.6559, 16.5905, 21.1160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8029, 16.8710, 27.2345 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(96, 116, 140) looks like.

```
.text, #text, p{  
    color:rgb(96, 116, 140)  
}
```

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(96, 116, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 116, 140) }
```

Border

The CSS property to change the border of an element to XYZ 15.8029, 16.8710, 27.2345 is called "border". The border property can be set on classes, ids or directly on the HTML element.

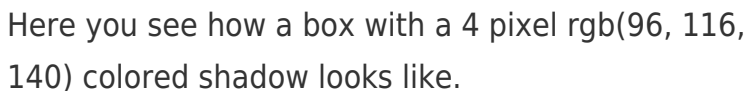
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 116, 140) }
```


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

```
.border{ border-color:rgb(96, 116, 140) }
```

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



Here you see how a box with a 4 pixel `rgb(96, 116, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(96, 116, 140); -webkit-box-shadow:4px 4px 4px 4px rgb(96, 116, 140); box-shadow:4px 4px 4px 4px rgb(96, 116, 140) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8029, 16.8710, 27.2345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 116, 140) }
```

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

```
.background{ background-color: rgb(96, 116,  
140) }
```

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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