

Converting Colors

XYZ(15.4458, 19.1167, 21.3128)

Have a look what the booklet for
XYZ(15.4458, 19.1167, 21.3128)
contains.

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Color

**XYZ(15.4829, 19.2295,
21.3080)**

Conversions

Conversions Part 1

Format	Color
Hex	59817A
RGB	89, 129, 122
RGB Percent	35%, 51%, 48%
CMY	0.6510, 0.4941, 0.5216
CMYK	0.31, 0.00, 0.05, 0.49
HSL	169°, 18%, 43%
HSV	169°, 31%, 51%
XYZ	15.4829, 19.2295, 21.3080
YIQ	116.2420, -21.5930, -10.6570

Conversions

Conversions Part 2

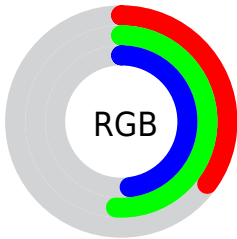
Format	Color
R _Y B	89, 111, 129
Decimal	5865850
CIE Lab	50.95, -15.53, -0.68
CIE LCh	51, 15.542, 182.495
Yxy	19.2295, 0.2764, 0.3433
Android (android.graphics.Color)	4284055930 (0xFF59817A)
YUV	116.2420, 2.8387, -23.8912
Hunter-Lab	43.8515, -13.7160, 1.8862

Details

The XYZ color **15.4829, 19.2295, 21.3080** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.7376, 12.6569, 12.7333**, and the grayscale version is **16.6714, 17.5396, 19.1007**.

A 20% lighter version of the original color is **35.1831, 42.0873, 46.3137**, and **4.9857, 6.6898, 7.3318** is the 20% darker color. If you saturate the color by 10%, you get **14.2137, 18.5917, 20.5271**, and if you desaturate by 10%, it is **16.9734, 19.9820, 22.1171**.

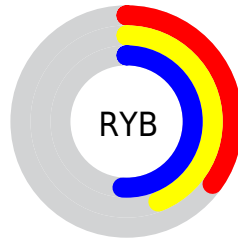
Distribution



Red (35%)

Green (51%)

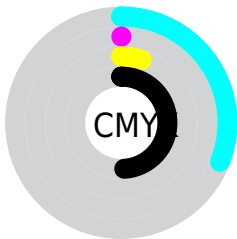
Blue (48%)



Red (35%)

Yellow (44%)

Blue (51%)

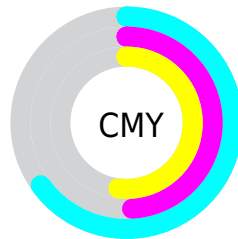


Cyan (31%)

Magenta (0%)

Yellow (5%)

Black (49%)



Cyan (65%)

Magenta (49%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4829, 19.2295, 21.3080 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 15.4829, 19.2295, 21.3080 by changing the saturation by 10% instead.

■ 15.4829, 19.2295,
21.3080

■ 15.4829, 19.2295,
21.3080

219.6017,
247.7128, 271.7455

■ 9.2475, 11.8362,
13.1559

■ 35.2629, 42.1215,
46.4870

■ 4.9614, 6.6323,
7.4040

■ 49.5382, 58.3891,
64.3510

■ 2.2591, 3.2332,
3.6338

■ 67.2241, 78.3835,
86.2893

■ 0.7736, 1.2547,
1.4267

■ 88.6862, 102.4893,
112.7206

■ 0.0000, 0.1057,
0.1624

■ 114.2896,
131.0907, 144.0633

■ 0.0000, 0.0000,
0.0000

144.3997,

164.5721, 180.7359

179.3820,
203.3180, 223.1572

■ 15.4829, 19.2295,
21.3080

■ 15.4829, 19.2295,
21.3080

■ 14.2137, 18.5917,
20.5271

■ 16.9734, 19.9820,
22.1171

■ 13.1528, 18.0604,
19.7723

■ 18.6941, 20.8524,
22.9536

■ 12.2885, 17.6300,
19.0435

■ 20.6554, 21.8463,
23.8186

■ 11.6069, 17.2935,
18.3399

■ 22.8665, 22.9687,
24.7126

■ 11.0926, 17.0429,
17.6606

■ 25.3363, 24.2240,
25.6362

■ 10.7276, 16.8689,
17.0047

■ 28.0730, 25.6166,
26.5897

■ 10.4742, 16.7506,
16.4324

■ 31.0846, 27.1504,
27.5737

■ 34.3787, 28.8296,
28.5887

■ 37.9628, 30.6578,
29.6352

Harmonies

Analogous

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



15.7811, 19.2295, 17.2700



15.4829, 19.2295, 21.3080



15.8979, 19.2295, 25.8174

Triad

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



15.4829, 19.2295, 21.3080



19.9098, 19.2295, 28.9109



19.6749, 19.2295, 14.2969

Complementary

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



15.4829, 19.2295, 21.3080



14.7376, 12.6569, 12.7333

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.



20.8824, 19.2295, 16.7151



15.4829, 19.2295, 21.3080



21.0232, 19.2295, 25.0910

Square

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



15.4829, 19.2295, 21.3080



18.4059, 19.2295, 30.5737



21.3887, 19.2295, 20.5716



18.1488, 19.2295, 13.5744

Rectangle

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



15.4829, 19.2295, 21.3080



16.5376, 19.2295, 28.3884



21.3887, 19.2295, 20.5716



20.1344, 19.2295, 14.9199

Sweetspot

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



15.4835, 19.2303, 21.3084



34.0746, 37.6437, 41.3777



14.5130, 18.9275, 12.3399



7.6185, 8.4728, 9.3226



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.



15.4835, 19.2303, 21.3084



26.1254, 33.6301, 37.1922



14.3667, 16.2772, 23.1544



4.4151, 4.8744, 5.3573



10.2133, 16.3319, 16.0281



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.7376, 12.6569, 12.7333



24.5761, 19.9545, 19.3639



15.5757, 14.8263, 11.4923



4.3561, 4.3556, 4.6799



8.9750, 4.6097, 1.1919



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.4829, 19.2295, 21.3080 looks on a white 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

Black Background



This preview shows how the XYZ color 15.4829, 19.2295, 21.3080 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

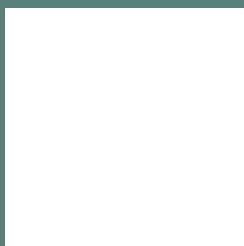
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.4829, 19.2295, 21.3080

Background



This preview shows how black text looks on a background with the XYZ color 15.4829, 19.2295, 21.3080.



This preview shows how white text looks on a background with the XYZ color 15.4829, 19.2295,

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

15.4829, 19.2295, 21.3080

Protanopia

18.2395, 19.0024, 19.5361

Deuteranopia

19.3595, 19.0031, 21.7164



Tritanopia

16.5184, 19.2602, 26.5139

Trichromacy



Original Color

15.4829, 19.2295, 21.3080

Protanomaly

16.9683, 18.8773, 20.2021

Deuteranomaly

17.6150, 18.8178, 21.4427

Tritanomaly

16.1984, 19.3284, 24.7068

Monochromacy



Original Color

15.4829, 19.2295, 21.3080

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.0512, 18.0469, 19.7770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4829, 19.2295, 21.3080 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(89, 129, 122) looks like.

```
.text, #text, p{  
    color:rgb(89, 129, 122)  
}
```

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(89, 129, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 129, 122) }
```

Border

The CSS property to change the border of an element to XYZ 15.4829, 19.2295, 21.3080 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(89, 129, 122) }
```


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

```
.border{ border-color:rgb(89, 129, 122) }
```

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

Here you see how a box with a 4 pixel rgb(89, 129, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 129, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 129, 122);  
box-shadow:4px 4px 4px 4px rgb(89, 129,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4829, 19.2295, 21.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 129, 122) }
```

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

```
.background{ background-color: rgb(89, 129,  
122) }
```

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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