

Converting Colors

XYZ(30.0772, 21.9746, 15.1732)

Have a look what the booklet for
XYZ(30.0772, 21.9746, 15.1732)
contains.

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Color

**XYZ(29.9814, 21.9440,
15.2258)**

Conversions

Conversions Part 1

Format	Color
Hex	C56466
RGB	197, 100, 102
RGB Percent	77%, 39%, 40%
CMY	0.2275, 0.6078, 0.6000
CMYK	0.00, 0.49, 0.48, 0.23
HSL	359°, 46%, 58%
HSV	359°, 49%, 77%
XYZ	29.9814, 21.9440, 15.2258
YIQ	129.2310, 57.1700, 21.1860

Conversions

Conversions Part 2

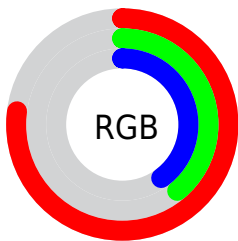
Format	Color
R _Y B	197, 100, 102
Decimal	12936294
CIE Lab	53.97, 38.78, 16.82
CIE LCh	54, 42.270, 23.454
Yxy	21.9440, 0.4465, 0.3268
Android (android.graphics.Color)	4291126374 (0xFFC56466)
YUV	129.2310, -13.4249, 59.4334
Hunter-Lab	46.8444, 32.2660, 13.5201

Details

The XYZ color **29.9814, 21.9440, 15.2258** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **35.0733, 46.5824, 58.7755**, and the grayscale version is **20.9795, 22.0720, 24.0365**.

A 20% lighter version of the original color is **58.3810, 46.3424, 36.0049**, and **12.4354, 7.9614, 4.4957** is the 20% darker color. If you saturate the color by 10%, you get **27.4670, 18.2726, 10.2035**, and if you desaturate by 10%, it is **33.1764, 26.6204, 21.5740**.

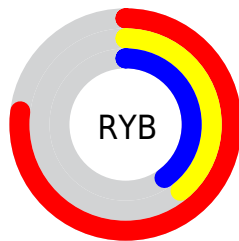
Distribution



Red (77%)

Green (39%)

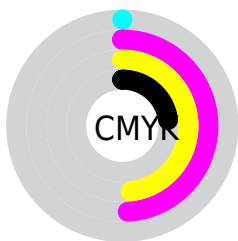
Blue (40%)



Red (77%)

Yellow (39%)

Blue (40%)

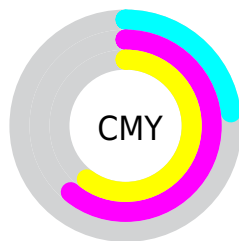


Cyan (0%)

Magenta (49%)

Yellow (48%)

Black (23%)



Cyan (23%)


Magenta (61%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.9814, 21.9440, 15.2258 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 29.9814, 21.9440, 15.2258 by changing the saturation by 10% instead.


 29.9814, 21.9440,
15.2258


 29.9814, 21.9440,
15.2258


293.7291,
262.2537, 236.4166


 19.9725, 13.8158,
8.8296


 59.0196, 46.6534,
35.9967


 12.4832, 7.9926,
4.5349


 78.7796, 64.0034,
51.2085

 7.1482, 4.0902,
1.9232


 102.5206, 85.1961,
70.1960

 3.6021, 1.7242,
0.5074

 130.6081,
110.6158, 93.3776

 1.4796, 0.4392,
0.0000

163.4073,
140.6471, 121.1719

 0.3119, 0.0000,
0.0000

201.2836,

 0.0000, 0.0000,

175.6742, 153.9975

0.0000

244.6025,
216.0816, 192.2729

■ 29.9814, 21.9440,
15.2258

■ 29.9814, 21.9440,
15.2258

■ 27.4670, 18.2726,
10.2035

■ 33.1764, 26.6204,
21.5740

■ 25.5824, 15.5294,
6.4122

■ 37.0947, 32.3643,
29.3317

■ 24.2724, 13.6324,
3.7464


■ 41.7774, 39.2371,
38.5768


■ 23.4714, 12.4836,
2.0821


■ 47.2621, 47.2948,
49.3813


■ 23.0725, 11.9151,
1.2425

■ 53.5838, 56.5894,
61.8125

 23.0481, 11.8791,
1.1945

 60.7755, 67.1699,
75.9338

 68.8686, 79.0828,
91.8052

 76.8359, 90.6103,
108.0476

Harmonies

Analogous

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



30.8396, 21.9440, 26.8724



29.9814, 21.9440, 15.2258



26.5274, 21.9440, 8.8623

Triad

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



29.9814, 21.9440, 15.2258



14.5750, 21.9440, 11.8407



19.8732, 21.9440, 58.5409

Complementary

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



29.9814, 21.9440, 15.2258



35.0733, 46.5824, 58.7755

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.



16.0586, 21.9440, 50.2850



29.9814, 21.9440, 15.2258



13.3012, 21.9440, 21.1429

Square

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



29.9814, 21.9440, 15.2258



17.5576, 21.9440, 7.4648



13.8018, 21.9440, 35.3492



24.5461, 21.9440, 55.1353

Rectangle

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



29.9814, 21.9440, 15.2258



23.4557, 21.9440, 6.9983



13.8018, 21.9440, 35.3492



18.4579, 21.9440, 56.9627

Sweetspot

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



29.9820, 21.9451, 15.2262



78.5828, 75.7946, 76.5002



36.8240, 24.5852, 55.6277



16.3838, 15.5826, 15.5147



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



29.9820, 21.9451, 15.2262



48.9337, 32.3469, 17.7527



35.4931, 33.1239, 16.5810



10.6426, 10.6404, 11.1010



15.1636, 7.8150, 0.8056



0.7211, 0.3713, 0.0547

Inverse Universe

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



29.9820, 21.9451, 15.2262



48.9337, 32.3469, 17.7527



26.5197, 29.1118, 57.0445



10.6426, 10.6404, 11.1010



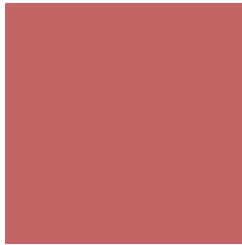
15.1636, 7.8150, 0.8056



0.7211, 0.3713, 0.0547

Previews

White Background



This preview shows how the XYZ color 29.9814, 21.9440, 15.2258 looks on a white background.

Color Contrast Check

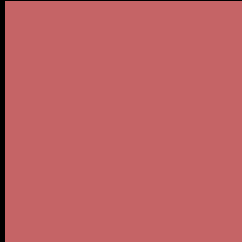
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9814, 21.9440, 15.2258 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 29.9814, 21.9440, 15.2258

Background



This preview shows how black text looks on a background with the XYZ color 29.9814, 21.9440, 15.2258.



This preview shows how white text looks on a background with the XYZ color 29.9814, 21.9440,

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

29.9814, 21.9440, 15.2258

Protanopia

20.9943, 22.1124, 19.6846

Deuteranopia

22.3612, 21.9725, 14.6178



Tritanopia

30.0893, 21.8346, 16.2643

Trichromacy



Original Color

29.9814, 21.9440, 15.2258

Protanomaly

23.4482, 21.3737, 17.9286

Deuteranomaly

24.5313, 21.4872, 14.6589

Tritanomaly

30.0376, 21.8139, 15.9920

Monochromacy



Original Color

29.9814, 21.9440, 15.2258

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

23.1346, 21.1588, 20.3175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9814, 21.9440, 15.2258 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(197, 100, 102)` looks like.

```
.text, #text, p{  
    color:rgb(197, 100, 102)  
}
```

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(197, 100, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 100, 102) }
```

Border

The CSS property to change the border of an element to XYZ 29.9814, 21.9440, 15.2258 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(197, 100, 102) }
```


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

```
.border{ border-color:rgb(197, 100, 102) }
```

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

Here you see how a box with a 4 pixel rgb(197, 100, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 100, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 100, 102);  
box-shadow:4px 4px 4px 4px rgb(197, 100,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9814, 21.9440, 15.2258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 100, 102) }
```

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

```
.background{ background-color: rgb(197,  
100, 102) }
```

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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