

Converting Colors

XYZ(31.2522, 23.9144, 17.4443)

Have a look what the booklet for
XYZ(31.2522, 23.9144, 17.4443)
contains.

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Color

**XYZ(31.2549, 23.9117,
17.4361)**

Conversions

Conversions Part 1

Format	Color
Hex	C56D6D
RGB	197, 109, 109
RGB Percent	77%, 43%, 43%
CMY	0.2275, 0.5725, 0.5725
CMYK	0.00, 0.45, 0.45, 0.23
HSL	0°, 43%, 60%
HSV	0°, 45%, 77%
XYZ	31.2549, 23.9117, 17.4361
YIQ	135.3120, 52.4480, 18.6560

Conversions

Conversions Part 2

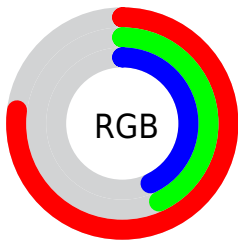
Format	Color
R _Y B	197, 109, 109
Decimal	12938605
CIE Lab	56.00, 34.77, 15.53
CIE LCh	56, 38.083, 24.065
Yxy	23.9117, 0.4305, 0.3294
Android (android.graphics.Color)	4291128685 (0xFFC56D6D)
YUV	135.3120, -12.9718, 54.1004
Hunter-Lab	48.8996, 28.5166, 13.0887

Details

The XYZ color **31.2549, 23.9117, 17.4361** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **36.3499, 47.2127, 60.0203**, and the grayscale version is **23.1787, 24.3858, 26.5561**.

A 20% lighter version of the original color is **60.5055, 49.6387, 39.6500**, and **13.2487, 9.0512, 5.6062** is the 20% darker color. If you saturate the color by 10%, you get **28.4397, 19.7925, 11.8390**, and if you desaturate by 10%, it is **34.7799, 29.0701, 24.4428**.

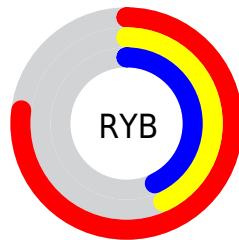
Distribution



Red (77%)

Green (43%)

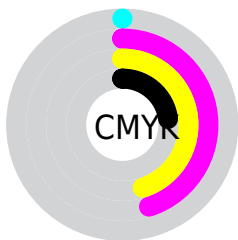
Blue (43%)



Red (77%)

Yellow (43%)

Blue (43%)

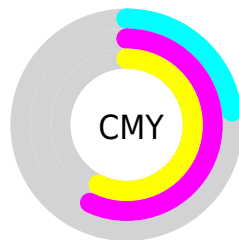


Cyan (0%)

Magenta (45%)

Yellow (45%)

Black (23%)



Cyan (23%)


Magenta (57%)


Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2549, 23.9117, 17.4361 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 31.2549, 23.9117, 17.4361 by changing the saturation by 10% instead.


 31.2549, 23.9117,
17.4361


 31.2549, 23.9117,
17.4361


299.5169,
272.3738, 249.8016


 20.9458, 15.2681,
10.3807


 61.0143, 49.8861,
39.8750


 13.1966, 9.0078,
5.5432


 81.1953, 67.9857,
56.0955

 7.6420, 4.7463,
2.5051


 105.3976, 90.0060,
76.2081

 3.9166, 2.0992,
0.8429

 133.9866,
116.3316, 100.6313

 1.6551, 0.6642,
0.0000

167.3277,
147.3468, 129.7837

 0.4279, 0.0000,
0.0000

205.7862,

 0.0000, 0.0000,

183.4359, 164.0839

0.0000

249.7275,
224.9835, 203.9503

■ 31.2549, 23.9117,
17.4361

■ 31.2549, 23.9117,
17.4361

■ 28.4397, 19.7925,
11.8390

■ 34.7799, 29.0701,
24.4428

■ 26.2845, 16.6389,
7.5548

■ 39.0563, 35.3277,
32.9440

■ 24.7362, 14.3731,
4.4770


■ 44.1247, 42.7443,
43.0199


■ 23.7324, 12.9043,
2.4817


■ 50.0223, 51.3741,
54.7442


■ 23.1976, 12.1216,
1.4187

■ 56.7839, 61.2682,
68.1861

 23.0260, 11.8705,
1.0776

 64.4423, 72.4746,
83.4109

 73.0287, 85.0387,
100.4805

 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.



32.1064, 23.9117, 28.5928



31.2549, 23.9117, 17.4361



27.9996, 23.9117, 11.0545

Triad

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



31.2549, 23.9117, 17.4361



16.6037, 23.9117, 14.3532



21.8732, 23.9117, 57.8814

Complementary

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



31.2549, 23.9117, 17.4361



36.3499, 47.2127, 60.0203

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.



18.1623, 23.9117, 50.6557



31.2549, 23.9117, 17.4361



15.3798, 23.9117, 23.6359

Square

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



31.2549, 23.9117, 17.4361



19.4835, 23.9117, 9.7131



15.9118, 23.9117, 37.0801



26.3127, 23.9117, 54.6160

Rectangle

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



31.2549, 23.9117, 17.4361



25.1027, 23.9117, 9.1233



15.9118, 23.9117, 37.0801



20.5068, 23.9117, 56.5423

Sweetspot

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



31.2555, 23.9129, 17.4365



80.4866, 78.6897, 79.9484



38.5727, 26.8390, 55.9706



16.7544, 16.1506, 16.1719



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.



31.2555, 23.9129, 17.4365



50.8657, 35.3458, 21.0637



37.1776, 35.7570, 19.4106



10.6339, 10.6370, 11.0554



15.1453, 7.8079, 0.7088



0.7171, 0.3697, 0.0336

Inverse Universe

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



36.3499, 47.2127, 60.0203



61.1841, 82.5380, 107.3144



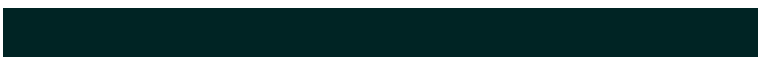
27.7761, 30.0650, 57.1624



10.9467, 12.0675, 13.6698



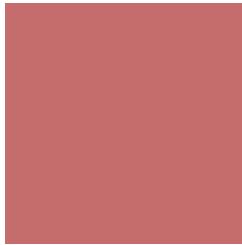
19.7600, 28.9138, 39.2838



0.9356, 1.3691, 1.8601

Previews

White Background



This preview shows how the XYZ color 31.2549, 23.9117, 17.4361 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 31.2549, 23.9117, 17.4361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

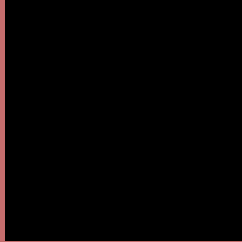
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.2549, 23.9117, 17.4361

Background



This preview shows how black text looks on a background with the XYZ color 31.2549, 23.9117, 17.4361.



This preview shows how white text looks on a background with the XYZ color 31.2549, 23.9117,

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

31.2549, 23.9117, 17.4361

Protanopia

22.7915, 24.0061, 21.5216

Deuteranopia

24.5006, 23.9895, 16.7037



Tritanopia

31.8037, 23.9918, 19.4776

Trichromacy



Original Color

31.2549, 23.9117, 17.4361

Protanomaly

25.2424, 23.5287, 20.0407

Deuteranomaly

26.5743, 23.7303, 16.8155

Tritanomaly

31.6319, 23.9231, 18.5732

Monochromacy



Original Color

31.2549, 23.9117, 17.4361

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

25.3273, 23.6972, 22.9778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2549, 23.9117, 17.4361 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, 109, 109)` looks like.

```
.text, #text, p{  
    color:rgb(197, 109, 109)  
}
```

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, 109, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 109, 109) }
```

Border

The CSS property to change the border of an element to XYZ 31.2549, 23.9117, 17.4361 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, 109, 109) }
```


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

```
.border{ border-color:rgb(197, 109, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 109, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 109, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 109, 109); box-shadow:4px 4px 4px 4px rgb(197, 109, 109) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2549, 23.9117, 17.4361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 109, 109) }
```

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

```
.background{ background-color: rgb(197,  
109, 109) }
```

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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