

Converting Colors

XYZ(29.8198, 23.2776, 12.5942)

Have a look what the booklet for
XYZ(29.8198, 23.2776, 12.5942)
contains.

XYZ(29.8198, 23.2776, 12.5942)	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(29.8198, 23.2776,
12.5942)**

Conversions

Conversions Part 1

Format	Color
Hex	C36D5A
RGB	195, 109, 90
RGB Percent	76%, 43%, 35%
CMY	0.2353, 0.5725, 0.6471
CMYK	0.00, 0.44, 0.54, 0.24
HSL	11°, 47%, 56%
HSV	11°, 54%, 76%
XYZ	29.8198, 23.2776, 12.5942
YIQ	132.5480, 57.3550, 12.3230

Conversions

Conversions Part 2

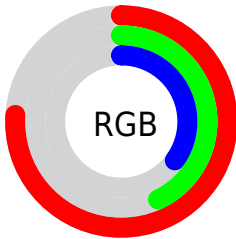
Format	Color
RYB	195, 113, 90
Decimal	12807514
CIELab	55.36, 32.18, 25.58
CIELCh	55, 41.107, 38.488
Yxy	23.2776, 0.4539, 0.3543
Android (android.graphics.Color)	4290997594 (0xFFC36D5A)
YUV	132.5480, -20.9762, 54.7704
Hunter-Lab	48.2469, 25.8930, 18.2959

Details

The XYZ color **29.8198, 23.2776, 12.5942** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted orange. A complement of this color would be **29.5911, 37.1624, 57.2430**, and the grayscale version is **22.1899, 23.3455, 25.4233**.

A 20% lighter version of the original color is **58.8940, 48.9941, 31.1637**, and **12.3351, 8.6281, 3.3981** is the 20% darker color. If you saturate the color by 10%, you get **27.5444, 19.8855, 8.2642**, and if you desaturate by 10%, it is **32.6236, 27.3783, 18.1749**.

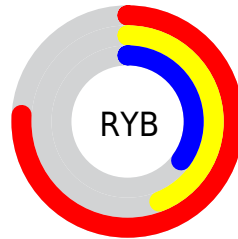
Distribution



Red (76%)

Green (43%)

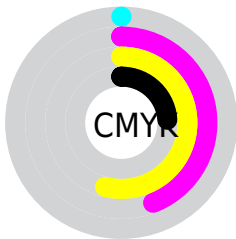
Blue (35%)



Red (76%)

Yellow (44%)

Blue (35%)

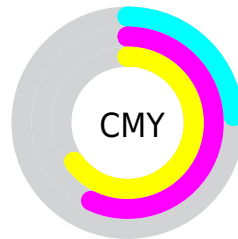


Cyan (0%)

Magenta (44%)

Yellow (54%)

Black (24%)



Cyan (24%)

Magenta (57%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8198, 23.2776, 12.5942 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 29.8198, 23.2776, 12.5942 by changing the saturation by 10% instead.

■ 29.8198, 23.2776,
12.5942

■ 29.8198, 23.2776,
12.5942

292.9885,
269.1476, 219.4160

■ 19.8492, 14.7986,
7.0223

■ 58.7657, 48.8487,
31.2532

■ 12.3931, 8.6782,
3.3974

■ 78.4717, 66.7097,
45.1774

■ 7.0861, 4.5319,
1.3009

■ 102.1536, 88.4668,
62.7228

■ 3.5628, 1.9753,
0.0626

■ 130.1767,
114.5043, 84.3078

■ 1.4579, 0.5931,
0.0000

162.9064,
145.2068, 110.3512

■ 0.2969, 0.0000,
0.0000

200.7080,

■ 0.0000, 0.0000,

180.9586, 141.2713

0.0000

243.9470,
222.1441, 177.4867

■ 29.8198, 23.2776,
12.5942

■ 29.8198, 23.2776,
12.5942

■ 27.5444, 19.8855,
8.2642

■ 32.6236, 27.3783,
18.1749

■ 25.7616, 17.1579,
5.0861

■ 35.9851, 32.2211,
25.0919

■ 24.4334, 15.0512,
2.9486

■ 39.9336, 37.8420,
33.4248

■ 23.5151, 13.5149,
1.7171

■ 44.4956, 44.2733,
43.2466

■ 23.1154, 12.8216,
1.2565

■ 49.6961, 51.5456,
54.6253

■ 55.5585, 59.6878,
67.6246

■ 62.1053, 68.7274,
82.3047

■ 69.3577, 78.6909,
98.7227

■ 75.5988, 88.9085,
107.7843

Harmonies

Analogous

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



32.1091, 23.2776, 21.7773



29.8198, 23.2776, 12.5942



25.5395, 23.2776, 8.2956

Triad

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



29.8198, 23.2776, 12.5942



14.8554, 23.2776, 17.1243



23.4600, 23.2776, 59.6903

Complementary

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



29.8198, 23.2776, 12.5942



29.5911, 37.1624, 57.2430

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.



19.0286, 23.2776, 57.0891



29.8198, 23.2776, 12.5942



14.4597, 23.2776, 29.2833

Square

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



29.8198, 23.2776, 12.5942



17.0504, 23.2776, 10.2071



15.8822, 23.2776, 44.6720



28.1173, 23.2776, 50.8848

Rectangle

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



29.8198, 23.2776, 12.5942



22.3595, 23.2776, 7.4871



15.8822, 23.2776, 44.6720



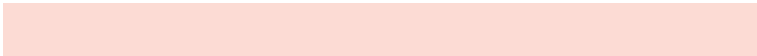
21.8915, 23.2776, 60.1685

Sweetspot

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



29.8204, 23.2788, 12.5946



77.6269, 76.3918, 72.9794



34.1476, 22.1089, 44.3244



16.6158, 16.1888, 15.1535



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.



29.8204, 23.2788, 12.5946



48.5697, 34.4607, 13.4020



36.9219, 37.4819, 14.9618



10.2174, 10.3662, 10.5242



15.0688, 8.4233, 0.8316



0.6971, 0.4561, 0.0513

Inverse Universe

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



29.5911, 37.1624, 57.2430



48.0212, 61.7904, 101.8655



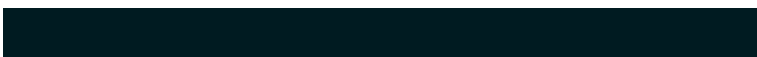
21.4005, 20.7812, 54.5128



10.2085, 11.1083, 12.8909



14.5955, 18.9476, 36.4446



0.6720, 0.9014, 1.5885

Previews

White Background



This preview shows how the XYZ color 29.8198, 23.2776, 12.5942 looks on a white background.

Color Contrast Check

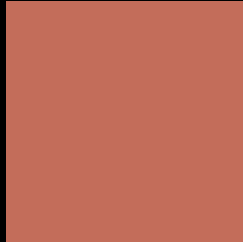
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8198, 23.2776, 12.5942 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 29.8198, 23.2776, 12.5942

Background



This preview shows how black text looks on a background with the XYZ color 29.8198, 23.2776, 12.5942.



This preview shows how white text looks on a background with the XYZ color 29.8198, 23.2776,

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

29.8198, 23.2776, 12.5942

Protanopia

21.8431, 23.4459, 15.4309

Deuteranopia

23.8069, 23.3404, 12.2672



Tritanopia

31.1606, 23.3706, 18.4914

Trichromacy



Original Color

29.8198, 23.2776, 12.5942

Protanomaly

24.0169, 22.8369, 14.2085

Deuteranomaly

25.7115, 23.0218, 12.3210

Tritanomaly

30.5724, 23.2711, 16.2450

Monochromacy



Original Color

29.8198, 23.2776, 12.5942

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.1288, 22.7676, 19.9525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8198, 23.2776, 12.5942 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(195, 109, 90)` looks like.

```
.text, #text, p{  
    color:rgb(195, 109, 90)  
}
```

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(195, 109, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 109, 90) }
```

Border

The CSS property to change the border of an element to XYZ 29.8198, 23.2776, 12.5942 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(195, 109, 90) }
```


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

```
.border{ border-color:rgb(195, 109, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 109, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 109, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 109, 90);  
box-shadow:4px 4px 4px 4px rgb(195, 109,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8198, 23.2776, 12.5942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 109, 90) }
```

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

```
.background{ background-color: rgb(195,  
109, 90) }
```

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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