

Converting Colors

XYZ(29.3708, 22.4021, 11.2035)

Have a look what the booklet for
XYZ(29.3708, 22.4021, 11.2035)
contains.

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Color

**XYZ(29.4168, 22.4790,
11.1760)**

Conversions

Conversions Part 1

Format	Color
Hex	C46954
RGB	196, 105, 84
RGB Percent	77%, 41%, 33%
CMY	0.2314, 0.5882, 0.6706
CMYK	0.00, 0.46, 0.57, 0.23
HSL	11°, 49%, 55%
HSV	11°, 57%, 77%
XYZ	29.4168, 22.4790, 11.1760
YIQ	129.8150, 60.9770, 12.7610

Conversions

Conversions Part 2

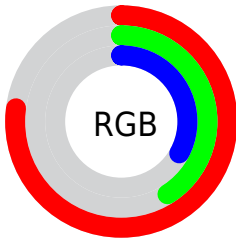
Format	Color
R _Y B	196, 110, 84
Decimal	12872020
CIE Lab	54.53, 34.20, 27.96
CIE LCh	55, 44.174, 39.274
Yxy	22.4790, 0.4664, 0.3564
Android (android.graphics.Color)	4291062100 (0xFFC46954)
YUV	129.8150, -22.5868, 58.0442
Hunter-Lab	47.4120, 27.7793, 19.2125

Details

The XYZ color **29.4168, 22.4790, 11.1760** 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 **28.9491, 36.5285, 57.7494**, and the grayscale version is **21.2155, 22.3204, 24.3069**.

A 20% lighter version of the original color is **57.7699, 47.4350, 28.6653**, and **12.1973, 8.2756, 2.7882** is the 20% darker color. If you saturate the color by 10%, you get **27.2809, 19.2688, 7.1920**, and if you desaturate by 10%, it is **32.0722, 26.3848, 16.3931**.

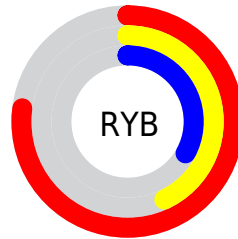
Distribution



Red (77%)

Green (41%)

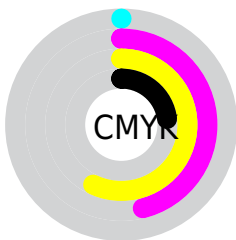
Blue (33%)



Red (77%)

Yellow (43%)

Blue (33%)

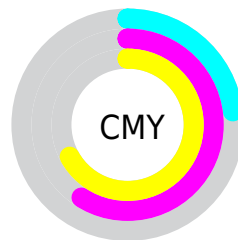


Cyan (0%)

Magenta (46%)

Yellow (57%)

Black (23%)



Cyan (23%)

Magenta (59%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4168, 22.4790, 11.1760 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 29.4168, 22.4790, 11.1760 by changing the saturation by 10% instead.


 29.4168, 22.4790,
11.1760


 29.4168, 22.4790,
11.1760

291.1353,
265.0376, 209.6517


 19.5422, 14.2093,
6.0697


 58.1316, 47.5364,
28.6268

 12.1690, 8.2664,
2.8180


 77.7026, 65.0929,
41.8083


 6.9319, 4.2659,
1.0025


 101.2364, 86.5138,
58.5187

 3.4655, 1.8234,
0.0000

 129.0984,
112.1834, 79.1764

 1.4045, 0.5017,
0.0000

 161.6539,
142.4862, 104.2000

 0.2594, 0.0000,
0.0000

199.2683,

 0.0000, 0.0000,

177.8066, 134.0081

0.0000

242.3070,
218.5289, 169.0191

■ 29.4168, 22.4790,
11.1760

■ 29.4168, 22.4790,
11.1760

■ 27.2809, 19.2688,
7.1920

■ 32.0722, 26.3848,
16.3931

■ 25.6276, 16.7095,
4.3371

■ 35.2776, 31.0207,
22.9333

■ 24.4172, 14.7562,
2.4924

■ 39.0627, 36.4228,
30.8792

■ 23.5993, 13.3554,
1.4949

■ 43.4549, 42.6240,
40.3066

■ 23.4190, 13.0439,
1.2834

■ 48.4794, 49.6550,
51.2858

■ 54.1604, 57.5452,
63.8826

■ 60.5205, 66.3223,
78.1589

■ 67.5814, 76.0128,
94.1734

■ 74.4817, 86.2894,
107.3377

Harmonies

Analogous

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



31.9385, 22.4790, 20.4239



29.4168, 22.4790, 11.1760



24.8340, 22.4790, 7.0447

Triad

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



29.4168, 22.4790, 11.1760



13.7850, 22.4790, 16.1978



22.9020, 22.4790, 61.3657

Complementary

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



29.4168, 22.4790, 11.1760



28.9491, 36.5285, 57.7494

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.



18.2362, 22.4790, 58.8584



29.4168, 22.4790, 11.1760



13.4290, 22.4790, 29.0310

Square

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



29.4168, 22.4790, 11.1760



15.9955, 22.4790, 9.0897



14.9364, 22.4790, 45.5412



27.8203, 22.4790, 51.4749

Rectangle

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



29.4168, 22.4790, 11.1760



21.4838, 22.4790, 6.3196



14.9364, 22.4790, 45.5412



21.2479, 22.4790, 62.0074

Sweetspot

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



29.4173, 22.4802, 11.1764



78.6150, 77.0668, 72.7880



33.7191, 21.1901, 43.1111



16.4604, 15.9799, 14.7872



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.



29.4173, 22.4802, 11.1764



48.4526, 33.4242, 11.3045



37.0287, 37.7029, 13.7135



10.2227, 10.3768, 10.5260



15.0950, 8.4758, 0.8404



0.6995, 0.4608, 0.0521

Inverse Universe

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



28.9491, 36.5285, 57.7494



47.4004, 61.1279, 103.9084



20.2727, 19.1756, 54.8572



10.2028, 11.0969, 12.8890



14.4543, 18.6652, 36.3975



0.6670, 0.8914, 1.5868

Previews

White Background



This preview shows how the XYZ color 29.4168, 22.4790, 11.1760 looks on a white background.

Color Contrast Check

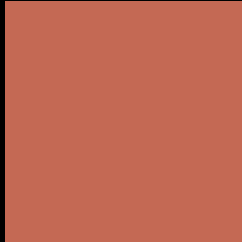
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4168, 22.4790, 11.1760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

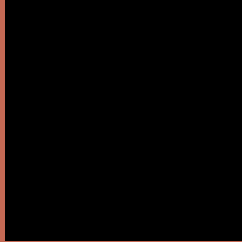
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.4168, 22.4790, 11.1760

Background



This preview shows how black text looks on a background with the XYZ color 29.4168, 22.4790, 11.1760.



This preview shows how white text looks on a background with the XYZ color 29.4168, 22.4790,

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

29.4168, 22.4790, 11.1760

Protanopia

21.1664, 22.7215, 14.0966

Deuteranopia

23.0797, 22.6173, 10.7386



Tritanopia

30.8004, 22.6126, 17.2093

Trichromacy



Original Color

29.4168, 22.4790, 11.1760

Protanomaly

23.5458, 22.2515, 12.9515

Deuteranomaly

24.9769, 22.3216, 10.7767

Tritanomaly

30.1765, 22.4909, 14.8073

Monochromacy



Original Color

29.4168, 22.4790, 11.1760

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.1444, 21.7370, 18.5986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4168, 22.4790, 11.1760 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(196, 105, 84)` looks like.

```
.text, #text, p{  
    color:rgb(196, 105, 84)  
}
```

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(196, 105, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 105, 84) }
```

Border

The CSS property to change the border of an element to XYZ 29.4168, 22.4790, 11.1760 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(196, 105, 84) }
```


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

```
.border{ border-color:rgb(196, 105, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 105, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 105, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 105, 84);  
box-shadow:4px 4px 4px 4px rgb(196, 105,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4168, 22.4790, 11.1760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 105, 84) }
```

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

```
.background{ background-color: rgb(196,  
105, 84) }
```

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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