

Converting Colors

XYZ(29.4312, 20.5402, 6.8567)

Have a look what the booklet for
XYZ(29.4312, 20.5402, 6.8567)
contains.

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Color

**XYZ(29.4003, 20.4866,
6.8196)**

Conversions

Conversions Part 1

Format	Color
Hex	CC5A3D
RGB	204, 90, 61
RGB Percent	80%, 35%, 24%
CMY	0.2000, 0.6470, 0.7608
CMYK	0.00, 0.56, 0.70, 0.20
HSL	12°, 58%, 52%
HSV	12°, 70%, 80%
XYZ	29.4003, 20.4866, 6.8196
YIQ	120.7800, 77.2530, 15.1490

Conversions

Conversions Part 2

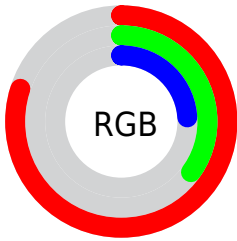
Format	Color
R_{YB}	204, 97, 61
Decimal	13392445
CIE Lab	52.38, 43.39, 38.48
CIE LCh	52, 57.995, 41.562
Yxy	20.4866, 0.5185, 0.3613
Android (android.graphics.Color)	4291582525 (0xFFCC5A3D)
YUV	120.7800, -29.4715, 72.9839
Hunter-Lab	45.2621, 36.7371, 22.7503

Details

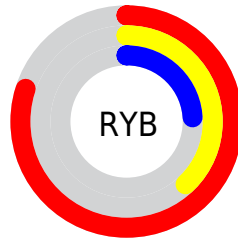
The XYZ color **29.4003, 20.4866, 6.8196** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **28.1522, 36.0091, 62.5931**, and the grayscale version is **18.1783, 19.1249, 20.8271**.

A 20% lighter version of the original color is **53.8769, 42.0307, 20.0250**, and **12.0828, 7.2002, 1.2432** is the 20% darker color. If you saturate the color by 10%, you get **27.7268, 17.8582, 4.0471**, and if you desaturate by 10%, it is **31.5838, 23.8010, 10.7930**.

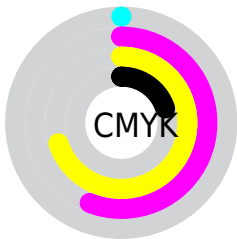
Distribution



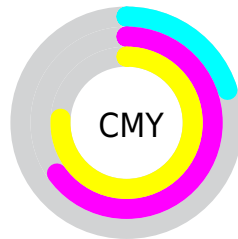
- Red (80%)
- Green (35%)
- Blue (24%)



- Red (80%)
- Yellow (38%)
- Blue (24%)



- Cyan (0%)
- Magenta (56%)
- Yellow (70%)
- Black (20%)




- Cyan (20%)
- Magenta (65%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4003, 20.4866, 6.8196 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 29.4003, 20.4866, 6.8196 by changing the saturation by 10% instead.


 29.4003, 20.4866,
6.8196


 29.4003, 20.4866,
6.8196


291.0593,
254.5373, 175.7299


 19.5297, 12.7492,
3.2728


 58.1056, 44.2315,
20.1160

 12.1599, 7.2561,
1.2356


 77.6711, 61.0079,
30.7027


 6.9256, 3.6228,
0.0081

 101.1988, 81.5660,
44.4731

 3.4616, 1.4649,
0.0000

 129.0541,
106.2903, 61.8458

 1.4023, 0.2638,
0.0000

 161.6025,
135.5652, 83.2393

 0.2578, 0.0000,
0.0000

 199.2093,

 0.0000, 0.0000,

169.7751, 109.0721

0.0000

242.2397,
209.3043, 139.7628

■ 29.4003, 20.4866,
6.8196

■ 29.4003, 20.4866,
6.8196

■ 27.7268, 17.8582,
4.0471

■ 31.5838, 23.8010,
10.7930

■ 26.5169, 15.8628,
2.3355

■ 34.3150, 27.8425,
16.0842

■ 25.7078, 14.4496,
1.4341

■ 37.6297, 32.6527,
22.7970

■ 41.5599, 38.2694,
31.0246

■ 46.1354, 44.7274,
40.8523

■ 51.3841, 52.0597,
52.3590

■ 57.3319, 60.2975,
65.6183

■ 64.0036, 69.4704,
80.6994

■ 71.4228, 79.6067,
97.6680

Harmonies

Analogous

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



33.0426, 20.4866, 16.3381



29.4003, 20.4866, 6.8196



23.3381, 20.4866, 3.3844

Triad

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



29.4003, 20.4866, 6.8196



10.4768, 20.4866, 13.4310



21.8675, 20.4866, 72.5939

Complementary

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



29.4003, 20.4866, 6.8196



28.1522, 36.0091, 62.5931

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.



16.0581, 20.4866, 70.3727



29.4003, 20.4866, 6.8196



10.2425, 20.4866, 29.5756

Square

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



29.4003, 20.4866, 6.8196



12.7987, 20.4866, 5.6294



12.0758, 20.4866, 52.0465



28.1358, 20.4866, 57.1140

Rectangle

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



29.4003, 20.4866, 6.8196



19.1603, 20.4866, 2.9292



12.0758, 20.4866, 52.0465



19.7868, 20.4866, 74.0434

Sweetspot

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



29.4008, 20.4877, 6.8199



75.4572, 72.7415, 65.5998



34.3477, 19.2858, 42.6758



15.6814, 14.9087, 13.0272



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.



29.4008, 20.4877, 6.8199



44.8264, 27.7980, 5.0825



38.5063, 38.6989, 9.8551



11.3936, 11.5761, 11.7133



16.2348, 9.2025, 0.9206



0.8928, 0.5853, 0.0659

Inverse Universe

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



28.1522, 36.0091, 62.5931



42.3880, 54.5502, 102.9029



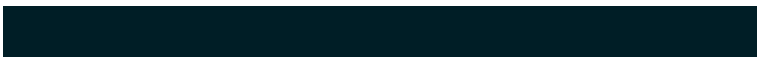
17.7638, 15.2323, 59.1303



11.3425, 12.3254, 14.3516



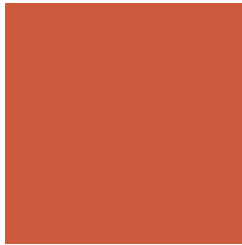
15.1288, 19.2815, 38.8806



0.8307, 1.0952, 2.0225

Previews

White Background



This preview shows how the XYZ color 29.4003, 20.4866, 6.8196 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 29.4003, 20.4866, 6.8196 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 29.4003, 20.4866, 6.8196

Background



This preview shows how black text looks on a background with the XYZ color 29.4003, 20.4866, 6.8196.



This preview shows how white text looks on a background with the XYZ color 29.4003, 20.4866,

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

29.4003, 20.4866, 6.8196

Protanopia

19.1447, 20.8060, 9.3103

Deuteranopia

20.9967, 20.5374, 6.4719



Tritanopia

30.4364, 20.4074, 12.4601

Trichromacy



Original Color

29.4003, 20.4866, 6.8196

Protanomaly

21.8796, 19.9213, 8.3222

Deuteranomaly

23.3347, 19.9048, 6.4830

Tritanomaly

30.0702, 20.3896, 10.1353

Monochromacy



Original Color

29.4003, 20.4866, 6.8196

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

20.5906, 18.6320, 14.3155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4003, 20.4866, 6.8196 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(204, 90, 61)` looks like.

```
.text, #text, p{  
    color:rgb(204, 90, 61)  
}
```

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(204, 90, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 90, 61) }
```

Border

The CSS property to change the border of an element to XYZ 29.4003, 20.4866, 6.8196 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(204, 90, 61) }
```


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

```
.border{ border-color:rgb(204, 90, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 90, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 90, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 90, 61);  
box-shadow:4px 4px 4px 4px rgb(204, 90,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4003, 20.4866, 6.8196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 90, 61) }
```

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

```
.background{ background-color: rgb(204, 90,  
61) }
```

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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