

Converting Colors

XYZ(29.1468, 20.1832, 5.4334)

Have a look what the booklet for
XYZ(29.1468, 20.1832, 5.4334)
contains.

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Color

**XYZ(29.2423, 20.1889,
5.3732)**

Conversions

Conversions Part 1

Format	Color
Hex	CD5832
RGB	205, 88, 50
RGB Percent	80%, 35%, 20%
CMY	0.1961, 0.6549, 0.8039
CMYK	0.00, 0.57, 0.76, 0.20
HSL	15°, 61%, 50%
HSV	15°, 76%, 80%
XYZ	29.2423, 20.1889, 5.3732
YIQ	118.6510, 81.9300, 12.9860

Conversions

Conversions Part 2

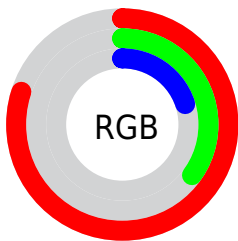
Format	Color
RYB	205, 100, 50
Decimal	13457458
CIELab	52.05, 44.22, 43.97
CIElCh	52, 62.361, 44.835
Yxy	20.1889, 0.5336, 0.3684
Android (android.graphics.Color)	4291647538 (0xFFCD5832)
YUV	118.6510, -33.8449, 75.7281
Hunter-Lab	44.9321, 37.5387, 24.3622

Details

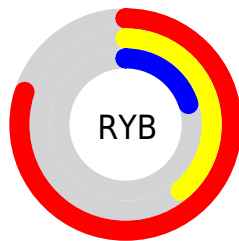
The XYZ color **29.2423, 20.1889, 5.3732** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **26.1522, 32.7207, 62.6946**, and the grayscale version is **17.5104, 18.4223, 20.0619**.

A 20% lighter version of the original color is **52.9695, 41.1916, 16.7142**, and **12.1136, 7.1357, 0.7963** is the 20% darker color. If you saturate the color by 10%, you get **27.7567, 17.7744, 3.1630**, and if you desaturate by 10%, it is **31.1963, 23.2240, 8.7161**.

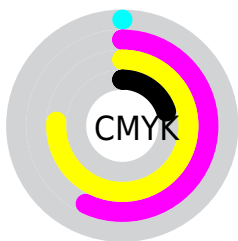
Distribution



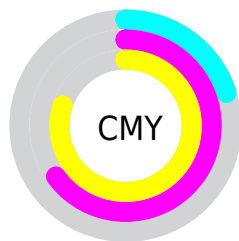
- Red (80%)
- Green (35%)
- Blue (20%)



- Red (80%)
- Yellow (39%)
- Blue (20%)



- Cyan (0%)
- Magenta (57%)
- Yellow (76%)
- Black (20%)



- Cyan (20%)
- Magenta (65%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2423, 20.1889, 5.3732 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 29.2423, 20.1889, 5.3732 by changing the saturation by 10% instead.

■ 29.2423, 20.1889,
5.3732

■ 29.2423, 20.1889,
5.3732

290.3301,
252.9359, 162.4459

■ 19.4094, 12.5324,
2.4053

■ 57.8567, 43.7337,
17.0700

■ 12.0722, 7.1074,
0.7893

■ 77.3690, 60.3907,
26.6359

■ 6.8654, 3.5293,
0.0000

■ 100.8384, 80.8168,
39.2383

■ 3.4237, 1.4139,
0.0000

■ 128.6303,
105.3963, 55.2957

■ 1.3816, 0.2270,
0.0000

■ 161.1100,
134.5135, 75.2266

■ 0.2430, 0.0000,
0.0000

■ 198.6430,

■ 0.0000, 0.0000,

168.5530, 99.4496

0.0000

241.5946,
207.8989, 128.3832

■ 29.2423, 20.1889,
5.3732

■ 29.2423, 20.1889,
5.3732

■ 27.7567, 17.7744,
3.1630

■ 31.1963, 23.2240,
8.7161

■ 26.6921, 15.9311,
1.9267

■ 33.6564, 26.9171,
13.3194

■ 26.3287, 15.2831,
1.5623

■ 36.6578, 31.3064,
19.2946

■ 40.2321, 36.4260,
26.7405

■ 44.4079, 42.3078,
35.7469

■ 49.2123, 48.9817,
46.3962

■ 54.6705, 56.4762,
58.7649

■ 60.8062, 64.8179,
72.9250

■ 67.6421, 74.0325,
88.9440

Harmonies

Analogous

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



33.6179, 20.1889, 14.1737



29.2423, 20.1889, 5.3732



22.5720, 20.1889, 2.5390

Triad

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



29.2423, 20.1889, 5.3732



9.6344, 20.1889, 14.0288



22.4962, 20.1889, 76.2555

Complementary

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



29.2423, 20.1889, 5.3732



26.1522, 32.7207, 62.6946

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.



16.1620, 20.1889, 76.1359



29.2423, 20.1889, 5.3732



9.6229, 20.1889, 32.2335

Square

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



29.2423, 20.1889, 5.3732



11.7886, 20.1889, 5.3176



11.7526, 20.1889, 57.1142



29.1764, 20.1889, 57.3843

Rectangle

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



29.2423, 20.1889, 5.3732



18.1757, 20.1889, 2.2878



11.7526, 20.1889, 57.1142



20.2391, 20.1889, 78.6722

Sweetspot

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



29.2428, 20.1900, 5.3735



74.4713, 71.7166, 62.3513



33.4631, 18.1187, 39.1876



15.3606, 14.5407, 12.0765



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.



29.2428, 20.1900, 5.3735



44.2518, 27.0370, 3.6943



38.9683, 39.6410, 8.6154



11.4321, 11.6531, 11.7262



16.4542, 9.6413, 0.9937



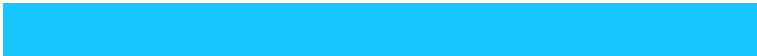
0.9104, 0.6204, 0.0718

Inverse Universe

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



26.1522, 32.7207, 62.6946



38.6192, 47.8355, 101.8055



16.1045, 12.6253, 59.3453



11.3012, 12.2428, 14.3378



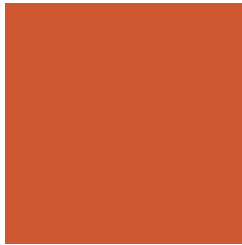
14.2072, 17.4384, 38.5734



0.7901, 1.0140, 2.0090

Previews

White Background



This preview shows how the XYZ color 29.2423, 20.1889, 5.3732 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 29.2423, 20.1889, 5.3732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

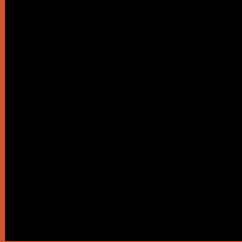
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.2423, 20.1889, 5.3732

Background



This preview shows how black text looks on a background with the XYZ color 29.2423, 20.1889, 5.3732.



This preview shows how white text looks on a background with the XYZ color 29.2423, 20.1889,

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

29.2423, 20.1889, 5.3732

Protanopia

18.6572, 20.4074, 7.3706

Deuteranopia

20.6067, 20.1920, 5.0018



Tritanopia

30.6286, 20.1732, 11.7307

Trichromacy



Original Color

29.2423, 20.1889, 5.3732

Protanomaly

21.4330, 19.5651, 6.5177

Deuteranomaly

23.1869, 19.7035, 5.0637

Tritanomaly

29.9721, 20.1268, 8.9618

Monochromacy



Original Color

29.2423, 20.1889, 5.3732

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

19.9606, 18.0173, 13.0153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2423, 20.1889, 5.3732 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(205, 88, 50)` looks like.

```
.text, #text, p{  
    color:rgb(205, 88, 50)  
}
```

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(205, 88, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 88, 50) }
```

Border

The CSS property to change the border of an element to XYZ 29.2423, 20.1889, 5.3732 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(205, 88, 50) }
```


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

```
.border{ border-color:rgb(205, 88, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 88, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 88, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 88, 50);  
box-shadow:4px 4px 4px 4px rgb(205, 88,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2423, 20.1889, 5.3732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 88, 50) }
```

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

```
.background{ background-color: rgb(205, 88,  
50) }
```

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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