

Converting Colors

XYZ(30.8189, 20.3249, 4.1923)

Have a look what the booklet for
XYZ(30.8189, 20.3249, 4.1923)
contains.

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Color

**XYZ(30.8241, 20.3272,
4.2184)**

Conversions

Conversions Part 1

Format	Color
Hex	D55227
RGB	213, 82, 39
RGB Percent	84%, 32%, 15%
CMY	0.1647, 0.6784, 0.8471
CMYK	0.00, 0.61, 0.82, 0.16
HSL	15°, 69%, 49%
HSV	15°, 82%, 84%
XYZ	30.8241, 20.3272, 4.2184
YIQ	116.2670, 91.8790, 14.3990

Conversions

Conversions Part 2

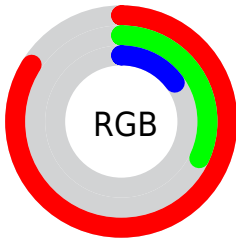
Format	Color
RYB	213, 96, 39
Decimal	13980199
CIELab	52.21, 49.53, 49.92
CIElCh	52, 70.325, 45.223
Yxy	20.3272, 0.5567, 0.3671
Android (android.graphics.Color)	4292170279 (0xFFD55227)
YUV	116.2670, -38.0926, 84.8348
Hunter-Lab	45.0857, 43.1366, 26.0126

Details

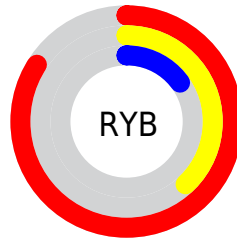
The XYZ color **30.8241, 20.3272, 4.2184** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark washed red. A complement of this color would be **27.2203, 33.9822, 68.0749**, and the grayscale version is **16.7769, 17.6506, 19.2215**.

A 20% lighter version of the original color is **51.8056, 39.5729, 14.1404**, and **13.0891, 7.2326, 0.7062** is the 20% darker color. If you saturate the color by 10%, you get **29.4938, 18.0820, 2.4952**, and if you desaturate by 10%, it is **32.6358, 23.2190, 7.0785**.

Distribution



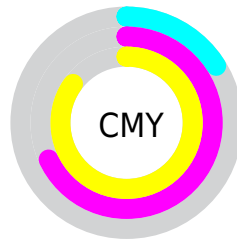
- Red (84%)
- Green (32%)
- Blue (15%)



- Red (84%)
- Yellow (38%)
- Blue (15%)



- Cyan (0%)
- Magenta (61%)
- Yellow (82%)
- Black (16%)





- Cyan (16%)
- Magenta (68%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8241, 20.3272, 4.2184 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 30.8241, 20.3272, 4.2184 by changing the saturation by 10% instead.


 30.8241, 20.3272,
4.2184


 30.8241, 20.3272,
4.2184


297.5685,
253.6810, 150.6228


 20.6161, 12.6331,
1.7459


 60.3408, 43.9651,
14.5104

 12.9545, 7.1764,
0.3919


 80.3801, 60.6777,
23.1670

 7.4740, 3.5727,
0.0000


 104.4274, 81.1652,
34.7220

 3.8092, 1.4375,
0.0000

 132.8478,
105.8121, 49.5940

 1.5948, 0.2441,
0.0000

 166.0067,
135.0027, 68.2016

 0.3890, 0.0000,
0.0000

 204.2696,

 0.0000, 0.0000,

169.1215, 90.9632

0.0000

248.0017,
208.5528, 118.2974

■ 30.8241, 20.3272,
4.2184

■ 30.8241, 20.3272,
4.2184

■ 29.4938, 18.0820,
2.4952

■ 32.6358, 23.2190,
7.0785

■ 28.6975, 16.6601,
1.7032

■ 34.9745, 26.8016,
11.2332

■ 37.8814, 31.1190,
16.8160

■ 41.3932, 36.2102,
23.9432

■ 45.5429, 42.1116,
32.7192

■ 50.3613, 48.8571,
43.2390

■ 55.8771, 56.4785,
55.5906

■ 62.1171, 65.0062,
69.8558

■ 69.1070, 74.4688,
86.1117

Harmonies

Analogous

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



36.0245, 20.3272, 13.2581



30.8241, 20.3272, 4.2184



23.0770, 20.3272, 1.6604

Triad

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



30.8241, 20.3272, 4.2184



8.7758, 20.3272, 13.4711



23.1944, 20.3272, 86.8102

Complementary

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



30.8241, 20.3272, 4.2184



27.2203, 33.9822, 68.0749

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.



15.9953, 20.3272, 87.0091



30.8241, 20.3272, 4.2184



8.7923, 20.3272, 34.2821

Square

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



30.8241, 20.3272, 4.2184



11.0550, 20.3272, 4.2911



11.1076, 20.3272, 63.9787



30.9283, 20.3272, 63.5367

Rectangle

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



30.8241, 20.3272, 4.2184



18.0856, 20.3272, 1.4643



11.1076, 20.3272, 63.9787



20.6102, 20.3272, 89.9014

Sweetspot

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



30.8245, 20.3284, 4.2187



72.9860, 69.6616, 59.0338



35.6508, 18.5911, 40.9408



15.0746, 14.1437, 11.4418



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.



30.8245, 20.3284, 4.2187



43.2672, 25.2697, 2.7436



41.5522, 41.7836, 7.7946



12.6701, 12.9145, 12.9857



17.5980, 10.3133, 1.0631



1.1274, 0.7540, 0.0861

Inverse Universe

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



27.2203, 33.9822, 68.0749



37.2353, 45.4959, 101.4268



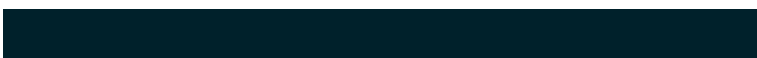
16.1271, 11.7958, 64.3772



12.5201, 13.5637, 15.8957



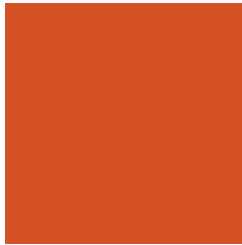
15.1369, 18.5355, 41.2331



0.9763, 1.2446, 2.5081

Previews

White Background



This preview shows how the XYZ color 30.8241, 20.3272, 4.2184 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 30.8241, 20.3272, 4.2184 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 30.8241, 20.3272, 4.2184

Background



This preview shows how black text looks on a background with the XYZ color 30.8241, 20.3272, 4.2184.



This preview shows how white text looks on a background with the XYZ color 30.8241, 20.3272,

4.2184.

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

30.8241, 20.3272, 4.2184

Protanopia

18.5786, 20.3952, 6.0894

Deuteranopia

20.8838, 20.5373, 3.8407



Tritanopia

31.9084, 20.2131, 10.2024

Trichromacy



Original Color

30.8241, 20.3272, 4.2184

Protanomaly

21.7076, 19.2495, 5.2607

Deuteranomaly

23.7615, 19.8720, 3.8796

Tritanomaly

31.5109, 20.2815, 7.4082

Monochromacy



Original Color

30.8241, 20.3272, 4.2184

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

19.4743, 17.1845, 11.5231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8241, 20.3272, 4.2184 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(213, 82, 39)` looks like.

```
.text, #text, p{  
    color:rgb(213, 82, 39)  
}
```

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(213, 82, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 82, 39) }
```

Border

The CSS property to change the border of an element to XYZ 30.8241, 20.3272, 4.2184 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(213, 82, 39) }
```


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

```
.border{ border-color:rgb(213, 82, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 82, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 82, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 82, 39);  
box-shadow:4px 4px 4px 4px rgb(213, 82,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8241, 20.3272, 4.2184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 82, 39) }
```

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

```
.background{ background-color: rgb(213, 82,  
39) }
```

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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