

Converting Colors

XYZ(30.2771, 18.5644, 3.1218)

Have a look what the booklet for
XYZ(30.2771, 18.5644, 3.1218)
contains.

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Color

**XYZ(30.2533, 18.5501,
3.1484)**

Conversions

Conversions Part 1

Format	Color
Hex	D7431D
RGB	215, 67, 29
RGB Percent	84%, 26%, 11%
CMY	0.1569, 0.7372, 0.8863
CMYK	0.00, 0.69, 0.87, 0.16
HSL	12°, 76%, 48%
HSV	12°, 87%, 84%
XYZ	30.2533, 18.5501, 3.1484
YIQ	106.9200, 100.4060, 19.5580

Conversions

Conversions Part 2

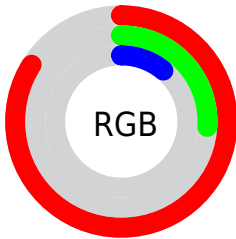
Format	Color
R_{YB}	215, 77, 29
Decimal	14107421
CIE Lab	50.16, 56.23, 52.68
CIE LCh	50, 77.050, 43.131
Yxy	18.5501, 0.5823, 0.3571
Android (android.graphics.Color)	4292297501 (0xFFD7431D)
YUV	106.9200, -38.4146, 94.7862
Hunter-Lab	43.0698, 50.0106, 25.8148

Details

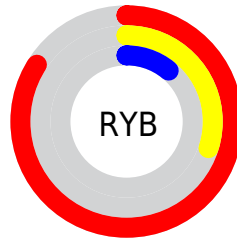
The XYZ color **30.2533, 18.5501, 3.1484** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **28.4927, 36.6082, 69.8539**, and the grayscale version is **14.0376, 14.7687, 16.0831**.

A 20% lighter version of the original color is **49.6981, 35.9760, 11.5324**, and **12.9489, 6.6754, 0.6060** is the 20% darker color. If you saturate the color by 10%, you get **29.2017, 16.7364, 1.9068**, and if you desaturate by 10%, it is **31.7901, 21.0404, 5.4603**.

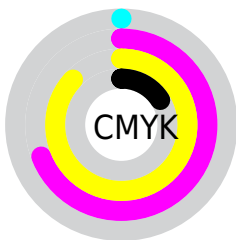
Distribution



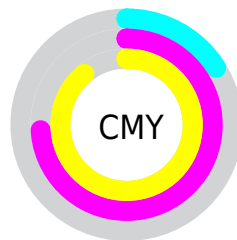
- Red (84%)
- Green (26%)
- Blue (11%)



- Red (84%)
- Yellow (30%)
- Blue (11%)



- Cyan (0%)
- Magenta (69%)
- Yellow (87%)
- Black (16%)





- Cyan (16%)
- Magenta (74%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.2533, 18.5501, 3.1484 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 30.2533, 18.5501, 3.1484 by changing the saturation by 10% instead.


 30.2533, 18.5501,
3.1484


 30.2533, 18.5501,
3.1484


294.9720,
243.9537, 138.2288


 20.1800, 11.3456,
1.1709


 59.4464, 40.9725,
11.9925


 12.6349, 6.2998,
0.0000


 79.2969, 56.9592,
19.6961

 7.2529, 3.0282,
0.0000


 103.1371, 76.6421,
30.1456

 3.6685, 1.1465,
0.0000

 131.3325,
100.4056, 43.7594

 1.5164, 0.0173,
0.0000

 164.2483,
128.6342, 60.9561

 0.3369, 0.0000,
0.0000

 202.2499,

 0.0000, 0.0000,

161.7121, 82.1542

0.0000

■ 245.7027,
200.0238, 107.7723

■ 30.2533, 18.5501,
3.1484

■ 30.2533, 18.5501,
3.1484

■ 29.2017, 16.7364,
1.9068

■ 31.7901, 21.0404,
5.4603

■ 28.9224, 16.2435,
1.6109

■ 33.8693, 24.2656,
9.0297

■ 36.5395, 28.2808,
14.0056

■ 39.8436, 33.1346,
20.5157

■ 43.8203, 38.8717,
28.6731

■ 48.5048, 45.5335,
38.5806

■ 53.9300, 53.1588,
50.3322

■ 60.1269, 61.7840,
64.0154

■ 67.1242, 71.4438,
79.7120

Harmonies

Analogous

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



35.5331, 18.5501, 12.2531



30.2533, 18.5501, 3.1484



22.1122, 18.5501, 0.8909

Triad

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



30.2533, 18.5501, 3.1484



7.1860, 18.5501, 10.4966



21.0816, 18.5501, 92.0304

Complementary

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



30.2533, 18.5501, 3.1484



28.4927, 36.6082, 69.8539

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.



13.8007, 18.5501, 90.1445



30.2533, 18.5501, 3.1484



7.0542, 18.5501, 30.9967

Square

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



30.2533, 18.5501, 3.1484



9.5542, 18.5501, 2.6327



9.1227, 18.5501, 63.0939



29.3184, 18.5501, 67.2143

Rectangle

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



30.2533, 18.5501, 3.1484



16.8621, 18.5501, 0.6671



9.1227, 18.5501, 63.0939



18.4236, 18.5501, 94.8319

Sweetspot

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



30.2537, 18.5512, 3.1487



71.5716, 67.2788, 57.1874



36.4794, 18.5321, 43.6686



14.7751, 13.6299, 11.0792



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.



30.2537, 18.5512, 3.1487



42.4729, 23.7257, 2.3410



40.6785, 39.4008, 6.6236



12.6268, 12.8278, 12.9712



17.3604, 9.8380, 0.9839



1.1072, 0.7135, 0.0794

Inverse Universe

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



28.4927, 36.6082, 69.8539



39.3802, 49.8804, 102.1601



16.0052, 11.6332, 65.6915



12.5667, 13.6568, 15.9112



16.1317, 20.5251, 41.5647



1.0287, 1.3494, 2.5255

Previews

White Background



This preview shows how the XYZ color 30.2533, 18.5501, 3.1484 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 30.2533, 18.5501, 3.1484 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 30.2533, 18.5501, 3.1484

Background



This preview shows how black text looks on a background with the XYZ color 30.2533, 18.5501, 3.1484.



This preview shows how white text looks on a background with the XYZ color 30.2533, 18.5501,

3.1484.

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

30.2533, 18.5501, 3.1484

Protanopia

16.9659, 18.6684, 4.8997

Deuteranopia

18.9662, 18.7100, 2.6118



Tritanopia

31.0798, 18.5473, 7.0962

Trichromacy



Original Color

30.2533, 18.5501, 3.1484

Protanomaly

20.0919, 17.2275, 4.0165

Deuteranomaly

22.0143, 17.6875, 2.5704

Tritanomaly

30.7949, 18.5228, 5.3203

Monochromacy



Original Color

30.2533, 18.5501, 3.1484

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

17.0925, 14.3298, 9.2622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2533, 18.5501, 3.1484 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(215, 67, 29)` looks like.

```
.text, #text, p{  
    color:rgb(215, 67, 29)  
}
```

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(215, 67, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 67, 29) }
```

Border

The CSS property to change the border of an element to XYZ 30.2533, 18.5501, 3.1484 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(215, 67, 29) }
```


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

```
.border{ border-color:rgb(215, 67, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 67, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 67, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 67, 29);  
box-shadow:4px 4px 4px 4px rgb(215, 67,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2533, 18.5501, 3.1484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 67, 29) }
```

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

```
.background{ background-color: rgb(215, 67,  
29) }
```

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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