

Converting Colors

XYZ(30.0151, 18.1865, 1.9284)

Have a look what the booklet for
XYZ(30.0151, 18.1865, 1.9284)
contains.

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Color

**XYZ(30.1523, 18.2657,
1.9364)**

Conversions

Conversions Part 1

Format	Color
Hex	D84000
RGB	216, 64, 0
RGB Percent	85%, 25%, 0%
CMY	0.1529, 0.7490, 1.0000
CMYK	0.00, 0.70, 1.00, 0.15
HSL	18°, 100%, 42%
HSV	18°, 100%, 85%
XYZ	30.1523, 18.2657, 1.9364
YIQ	102.1520, 111.1360, 12.3200

Conversions

Conversions Part 2

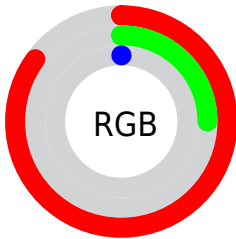
Format	Color
R_{YB}	216, 91, 0
Decimal	14172160
CIE _{Lab}	49.82, 57.31, 61.27
CIE _{LCh}	50, 83.900, 46.912
Yxy	18.2657, 0.5988, 0.3627
Android (android.graphics.Color)	4292362240 (0xFFD84000)
YUV	102.1520, -50.3609, 99.8447
Hunter-Lab	42.7384, 51.1411, 27.2305

Details

The XYZ color **30.1523, 18.2657, 1.9364** 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 **23.6213, 27.4113, 69.0112**, and the grayscale version is **12.7775, 13.4430, 14.6394**.

A 20% lighter version of the original color is **48.7459, 35.0087, 8.3258**, and **12.9489, 6.6754, 0.6060** is the 20% darker color. If you saturate the color by 10%, you get **30.1526, 18.2666, 1.9366**, and if you desaturate by 10%, it is **31.2708, 20.2775, 3.0049**.

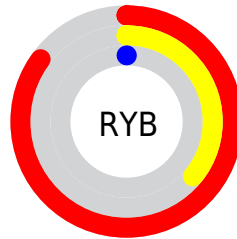
Distribution



Red (85%)

Green (25%)

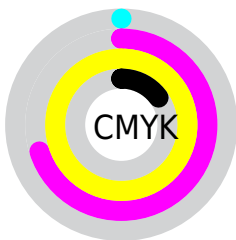
Blue (0%)



Red (85%)

Yellow (36%)

Blue (0%)

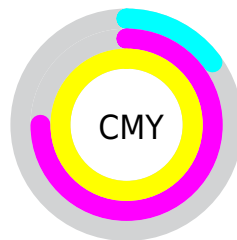


Cyan (0%)

Magenta (70%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (75%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1523, 18.2657, 1.9364 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 30.1523, 18.2657, 1.9364 by changing the saturation by 10% instead.


 30.1523, 18.2657,
1.9364


 30.1523, 18.2657,
1.9364


 294.5108,
242.3644, 121.3812

 20.1029, 11.1409,
0.5157


 59.2879, 40.4896,
8.8662


 12.5785, 6.1617,
0.0000

 79.1048, 56.3574,
15.2783


 7.2140, 2.9437,
0.0000


 102.9083, 75.9084,
24.2134

 3.6438, 1.1024,
0.0000

 131.0636, 99.5270,
36.0899

 1.5027, 0.0000,
0.0000

 163.9361,
127.5974, 51.3264

 0.3276, 0.0000,
0.0000


 201.8913,


 0.0000, 0.0000,


160.5042, 70.3415


0.0000


 245.2944,
198.6318, 93.5536


 30.1523, 18.2657,
1.9364


 30.1523, 18.2657,
1.9364

 30.1526, 18.2666,
1.9366

 31.2708, 20.2775,
3.0049

 32.7976, 22.8530,
4.9874

 34.8008, 26.0455,
8.1640

 37.3238, 29.8955,
12.6924

 40.4044, 34.4393,
18.7057

■ 44.0767, 39.7107,
26.3209

■ 48.3715, 45.7407,
35.6433

■ 53.3176, 52.5588,
46.7691

■ 58.9418, 60.1927,
59.7873

Harmonies

Analogous

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



36.6613, 18.2657, 9.6178



30.1523, 18.2657, 1.9364



21.0879, 18.2657, 0.2915

Triad

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



30.1523, 18.2657, 1.9364



6.2647, 18.2657, 11.4778



22.2383, 18.2657, 98.9899

Complementary

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



30.1523, 18.2657, 1.9364



23.6213, 27.4113, 69.0112

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.



14.1013, 18.2657, 101.2272



30.1523, 18.2657, 1.9364



6.4005, 18.2657, 35.6787

Square

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



30.1523, 18.2657, 1.9364



8.3667, 18.2657, 2.4111



8.8213, 18.2657, 72.6309



31.2145, 18.2657, 67.8064

Rectangle

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



30.1523, 18.2657, 1.9364



15.5726, 18.2657, 0.1818



8.8213, 18.2657, 72.6309



19.2814, 18.2657, 103.6892

Sweetspot

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



30.1527, 18.2668, 1.9367



70.2525, 66.3471, 51.4867



34.2183, 16.9587, 32.3922



14.4453, 13.3745, 9.7233



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.



30.1527, 18.2668, 1.9367



43.7947, 26.3694, 2.7816



42.5439, 43.0492, 6.0671



12.7202, 13.0146, 13.0024



17.9296, 10.9765, 1.1737



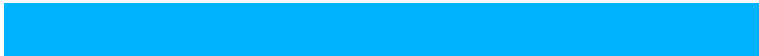
1.1530, 0.8051, 0.0946

Inverse Universe

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



23.6213, 27.4113, 69.0112



34.2571, 39.6342, 100.4524



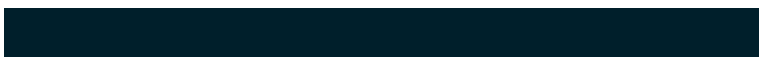
13.4032, 6.9750, 65.6052



12.4670, 13.4574, 15.8780



14.0794, 16.4206, 40.8806



0.9196, 1.1312, 2.4892

Previews

White Background



This preview shows how the XYZ color 30.1523, 18.2657, 1.9364 looks on a white 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

Black Background



This preview shows how the XYZ color 30.1523, 18.2657, 1.9364 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 30.1523, 18.2657, 1.9364

Background



This preview shows how black text looks on a background with the XYZ color 30.1523, 18.2657, 1.9364.



This preview shows how white text looks on a background with the XYZ color 30.1523, 18.2657,

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

30.1523, 18.2657, 1.9364

Protanopia

16.7129, 18.5672, 3.5671

Deuteranopia

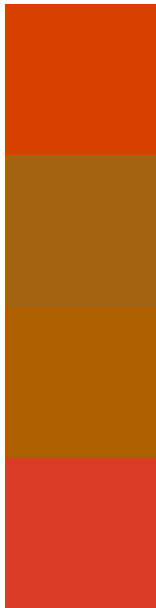
18.4828, 18.2943, 2.5570



Tritanopia

31.1006, 18.3312, 6.4565

Trichromacy



Original Color

30.1523, 18.2657, 1.9364

Protanomaly

19.9532, 17.0413, 2.6896

Deuteranomaly

21.5478, 17.1831, 2.1810

Tritanomaly

30.6502, 18.2357, 3.8238

Monochromacy



Original Color

30.1523, 18.2657, 1.9364

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

15.7716, 13.2007, 6.7178

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1523, 18.2657, 1.9364 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(216, 64, 0)` looks like.

```
.text, #text, p{  
    color:rgb(216, 64, 0)  
}
```

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(216, 64, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 64, 0) }
```

Border

The CSS property to change the border of an element to XYZ 30.1523, 18.2657, 1.9364 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(216, 64, 0) }
```


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

```
.border{ border-color:rgb(216, 64, 0) }
```

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

Here you see how a box with a 4 pixel rgb(216, 64, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 64, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 64, 0);  
box-shadow:4px 4px 4px 4px rgb(216, 64, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 30.1523, 18.2657, 1.9364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 64, 0) }
```

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

```
.background{ background-color: rgb(216, 64,  
0) }
```

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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