

Converting Colors

XYZ(29.6232, 18.6072, 2.0302)

Have a look what the booklet for
XYZ(29.6232, 18.6072, 2.0302)
contains.

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Color

**XYZ(29.6938, 18.6526,
2.0353)**

Conversions

Conversions Part 1

Format	Color
Hex	D54700
RGB	213, 71, 0
RGB Percent	84%, 28%, 0%
CMY	0.1647, 0.7215, 1.0000
CMYK	0.00, 0.67, 1.00, 0.16
HSL	20°, 100%, 42%
HSV	20°, 100%, 84%
XYZ	29.6938, 18.6526, 2.0353
YIQ	105.3640, 107.4230, 8.0230

Conversions

Conversions Part 2

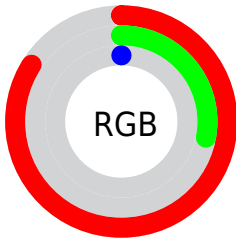
Format	Color
R_{YB}	213, 107, 0
Decimal	13977344
CIE Lab	50.28, 53.59, 61.19
CIE LCh	50, 81.341, 48.791
Yxy	18.6526, 0.5894, 0.3702
Android (android.graphics.Color)	4292167424 (0xFFD54700)
YUV	105.3640, -51.9445, 94.3968
Hunter-Lab	43.1887, 47.1452, 27.4380

Details

The XYZ color **29.6938, 18.6526, 2.0353** 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 **21.6823, 24.1483, 66.4685**, and the grayscale version is **13.6435, 14.3541, 15.6316**.

A 20% lighter version of the original color is **49.5165, 36.5080, 8.7119**, and **12.3944, 6.3896, 0.5800** is the 20% darker color. If you saturate the color by 10%, you get **29.6940, 18.6533, 2.0354**, and if you desaturate by 10%, it is **30.8435, 20.7312, 3.1002**.

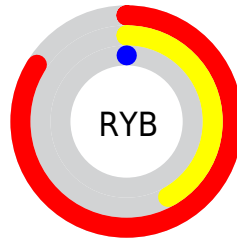
Distribution



Red (84%)

Green (28%)

Blue (0%)



Red (84%)

Yellow (42%)

Blue (0%)

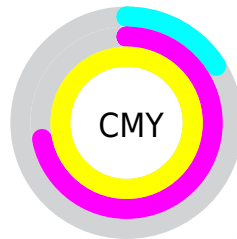


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (16%)



Cyan (16%)


Magenta (72%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6938, 18.6526, 2.0353 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 29.6938, 18.6526, 2.0353 by changing the saturation by 10% instead.


 29.6938, 18.6526,
2.0353


 29.6938, 18.6526,
2.0353


 292.4101,
244.5241, 122.9225


 19.7532, 11.4195,
0.5769


 58.5676, 41.1462,
9.1371

 12.3230, 6.3498,
0.0000


 78.2314, 57.1756,
15.6671


 7.0378, 3.0589,
0.0000


 101.8671, 76.9058,
24.7412

 3.5323, 1.1626,
0.0000

 129.8400,
100.7214, 36.7780

 1.4411, 0.0308,
0.0000

 162.5153,
129.0066, 52.1960


 0.2852, 0.0000,
0.0000


 200.2586,


 0.0000, 0.0000,


162.1458, 71.4137


0.0000


 243.4350,
200.5236, 94.8497


 29.6938, 18.6526,
2.0353


 29.6938, 18.6526,
2.0353


 29.6940, 18.6533,
2.0354

 30.8435, 20.7312,
3.1002

 32.3697, 23.3187,
5.0425

 34.3361, 26.4613,
8.1340

 36.7821, 30.1930,
12.5261

 39.7420, 34.5448,
18.3466

■ 43.2466, 39.5451,
25.7080

■ 47.3240, 45.2205,
34.7113

■ 52.0004, 51.5958,
45.4489

■ 57.3000, 58.6948,
58.0062

Harmonies

Analogous

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



36.2767, 18.6526, 9.2976



29.6938, 18.6526, 2.0353



20.8383, 18.6526, 0.4822

Triad

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



29.6938, 18.6526, 2.0353



6.6366, 18.6526, 12.9917



23.0679, 18.6526, 95.2510

Complementary

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



29.6938, 18.6526, 2.0353



21.6823, 24.1483, 66.4685

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.



14.9450, 18.6526, 99.4710



29.6938, 18.6526, 2.0353



6.9095, 18.6526, 37.7280

Square

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



29.6938, 18.6526, 2.0353



8.6022, 18.6526, 3.0417



9.5065, 18.6526, 73.5288



31.7360, 18.6526, 64.3753

Rectangle

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



29.6938, 18.6526, 2.0353



15.5135, 18.6526, 0.4405



9.5065, 18.6526, 73.5288



20.1454, 18.6526, 100.3902

Sweetspot

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



29.6942, 18.6537, 2.0356



70.9197, 67.6814, 51.7091



32.3229, 16.0991, 26.9953



14.6005, 13.6848, 9.7750



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.



29.6942, 18.6537, 2.0356



44.4892, 27.7583, 3.0131



43.2614, 45.7882, 6.5580



12.7581, 13.0905, 13.0150



18.2229, 11.5630, 1.2714



1.1742, 0.8475, 0.1017

Inverse Universe

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



21.6823, 24.1483, 66.4685



32.4232, 35.9663, 99.8411



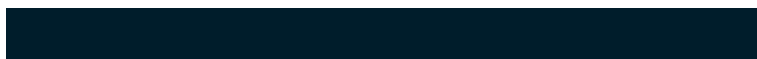
12.6261, 6.0360, 63.4498



12.4272, 13.3778, 15.8647



13.3418, 14.9454, 40.6347



0.8794, 1.0508, 2.4758

Previews

White Background



This preview shows how the XYZ color 29.6938, 18.6526, 2.0353 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 29.6938, 18.6526, 2.0353 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 29.6938, 18.6526, 2.0353

Background



This preview shows how black text looks on a background with the XYZ color 29.6938, 18.6526, 2.0353.



This preview shows how white text looks on a background with the XYZ color 29.6938, 18.6526,

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

29.6938, 18.6526, 2.0353

Protanopia

17.1355, 18.9669, 3.5169

Deuteranopia

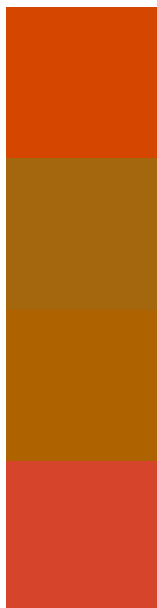
18.9662, 18.7100, 2.6118



Tritanopia

30.7539, 18.6222, 7.6038

Trichromacy



Original Color

29.6938, 18.6526, 2.0353

Protanomaly

20.2394, 17.6247, 2.7506

Deuteranomaly

21.8232, 17.7340, 2.2728

Tritanomaly

30.2533, 18.6122, 4.3809

Monochromacy



Original Color

29.6938, 18.6526, 2.0353

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

16.4291, 14.1632, 7.1781

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6938, 18.6526, 2.0353 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, 71, 0)` looks like.

```
.text, #text, p{  
    color:rgb(213, 71, 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(213, 71, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 71, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.6938, 18.6526, 2.0353 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, 71, 0) }
```


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

```
.border{ border-color:rgb(213, 71, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 71, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 71, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 71, 0);  
box-shadow:4px 4px 4px 4px rgb(213, 71, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 29.6938, 18.6526, 2.0353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 71, 0) }
```

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

```
.background{ background-color: rgb(213, 71,  
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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