

Converting Colors

XYZ(31.2543, 18.1438, 1.1040)

Have a look what the booklet for
XYZ(31.2543, 18.1438, 1.1040)
contains.

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Color

**XYZ(31.4904, 18.2620,
1.8652)**

Conversions

Conversions Part 1

Format	Color
Hex	DE3700
RGB	222, 55, 0
RGB Percent	87%, 22%, 0%
CMY	0.1294, 0.7843, 1.0000
CMYK	0.00, 0.75, 1.00, 0.13
HSL	15°, 100%, 44%
HSV	15°, 100%, 87%
XYZ	31.4904, 18.2620, 1.8652
YIQ	98.6630, 117.1870, 18.2990

Conversions

Conversions Part 2

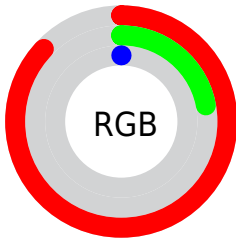
Format	Color
R_{YB}	222, 73, 0
Decimal	14563072
CIE _{Lab}	49.81, 62.31, 61.91
CIE _{LCh}	50, 87.836, 44.819
Yxy	18.2620, 0.6101, 0.3538
Android (android.graphics.Color)	4292753152 (0xFFDE3700)
YUV	98.6630, -48.6409, 108.1665
Hunter-Lab	42.7341, 56.7507, 27.3260

Details

The XYZ color **31.4904, 18.2620, 1.8652** 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 **27.0014, 32.9071, 74.0352**, and the grayscale version is **11.8742, 12.4925, 13.6044**.

A 20% lighter version of the original color is **48.0467, 33.6104, 8.0928**, and **13.9046, 7.1681, 0.6507** is the 20% darker color. If you saturate the color by 10%, you get **31.4907, 18.2629, 1.8654**, and if you desaturate by 10%, it is **32.5695, 20.1858, 2.9490**.

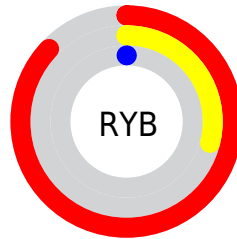
Distribution



Red (87%)

Green (22%)

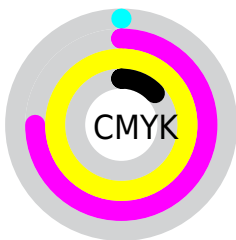
Blue (0%)



Red (87%)

Yellow (29%)

Blue (0%)

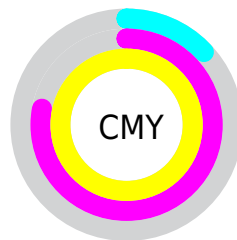


Cyan (0%)

Magenta (75%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (78%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4904, 18.2620, 1.8652 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 31.4904, 18.2620, 1.8652 by changing the saturation by 10% instead.


 31.4904, 18.2620,
1.8652


 31.4904, 18.2620,
1.8652


 300.5780,
242.3437, 120.2472


 21.1262, 11.1383,
0.4705


 61.3819, 40.4833,
8.6689


 13.3293, 6.1599,
0.0000


 81.6400, 56.3496,
14.9944

 7.7342, 2.9426,
0.0000


 105.9267, 75.8988,
23.8271

 3.9757, 1.1018,
0.0000

 134.6075, 99.5155,
35.5855

 1.6884, 0.0000,
0.0000

 168.0477,
127.5839, 50.6882

 0.4490, 0.0000,
0.0000


 206.6126,


 0.0000, 0.0000,


160.4885, 69.5537


0.0000


 250.6675,
198.6136, 92.6005


 31.4904, 18.2620,
1.8652


 31.4904, 18.2620,
1.8652

 31.4907, 18.2629,
1.8654

 32.5695, 20.1858,
2.9490

 34.1097, 22.7615,
5.0184

 36.1879, 26.0555,
8.3698

 38.8549, 30.1195,
13.1735

 42.1548, 35.0001,
19.5735

■ 46.1273, 40.7399,
27.6960

■ 50.8086, 47.3784,
37.6548

■ 56.2324, 54.9528,
49.5535

■ 62.4299, 63.4978,
63.4882

Harmonies

Analogous

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



38.0761, 18.2620, 10.2578



31.4904, 18.2620, 1.8652



21.9313, 18.2620, 0.0778

Triad

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



31.4904, 18.2620, 1.8652



5.9835, 18.2620, 10.0776



21.8166, 18.2620, 106.2648

Complementary

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



31.4904, 18.2620, 1.8652



27.0014, 32.9071, 74.0352

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.



13.4683, 18.2620, 106.0342



31.4904, 18.2620, 1.8652



5.9705, 18.2620, 34.1873

Square

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



31.4904, 18.2620, 1.8652



8.2925, 18.2620, 1.8229



8.2485, 18.2620, 73.4224



31.3834, 18.2620, 73.9162

Rectangle

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



31.4904, 18.2620, 1.8652



16.0379, 18.2620, 0.0000



8.2485, 18.2620, 73.4224



18.7475, 18.2620, 110.5161

Sweetspot

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



31.4908, 18.2631, 1.8655



69.3963, 64.6347, 51.2013



37.3986, 18.4394, 39.7175



14.2469, 12.9778, 9.6571



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.



31.4908, 18.2631, 1.8655



43.0280, 24.8360, 2.5260



43.1857, 41.6529, 5.7638



13.9818, 14.2495, 14.3203



18.7791, 10.9960, 1.1327



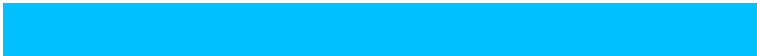
1.3718, 0.9025, 0.1019

Inverse Universe

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



27.0014, 32.9071, 74.0352



36.8582, 44.8364, 101.3194



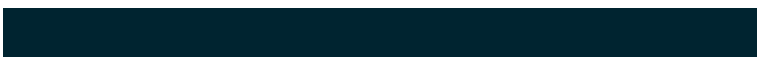
14.7591, 8.4226, 69.9545



13.8139, 14.9669, 17.5485



16.1303, 19.7301, 44.0065



1.1872, 1.5059, 3.0733

Previews

White Background



This preview shows how the XYZ color 31.4904, 18.2620, 1.8652 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 31.4904, 18.2620, 1.8652 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 31.4904, 18.2620, 1.8652

Background



This preview shows how black text looks on a background with the XYZ color 31.4904, 18.2620, 1.8652.



This preview shows how white text looks on a background with the XYZ color 31.4904, 18.2620,

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

31.4904, 18.2620, 1.8652

Protanopia

16.7235, 18.5715, 3.6229

Deuteranopia

18.4828, 18.2943, 2.5570



Tritanopia

32.2579, 18.3127, 5.2027

Trichromacy



Original Color

31.4904, 18.2620, 1.8652

Protanomaly

20.0023, 16.5101, 2.6228

Deuteranomaly

21.7316, 16.8844, 2.1136

Tritanomaly

31.9481, 18.2595, 3.3539

Monochromacy



Original Color

31.4904, 18.2620, 1.8652

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

15.4921, 12.4747, 6.2940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4904, 18.2620, 1.8652 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(222, 55, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 55, 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(222, 55, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 55, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.4904, 18.2620, 1.8652 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(222, 55, 0) }
```


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

```
.border{ border-color:rgb(222, 55, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 55, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 55, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 55, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 55, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.4904, 18.2620, 1.8652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 55, 0) }
```

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

```
.background{ background-color: rgb(222, 55,  
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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