

Converting Colors

XYZ(31.1671, 17.2662, 1.6900)

Have a look what the booklet for
XYZ(31.1671, 17.2662, 1.6900)
contains.

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Color

**XYZ(31.2244, 17.2739,
1.6885)**

Conversions

Conversions Part 1

Format	Color
Hex	DF2900
RGB	223, 41, 0
RGB Percent	87%, 16%, 0%
CMY	0.1255, 0.8391, 1.0000
CMYK	0.00, 0.82, 1.00, 0.13
HSL	11°, 100%, 44%
HSV	11°, 100%, 87%
XYZ	31.2244, 17.2739, 1.6885
YIQ	90.7440, 121.6330, 25.8330

Conversions

Conversions Part 2

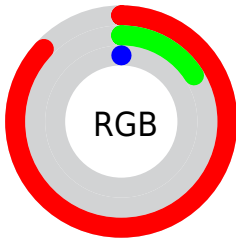
Format	Color
RYB	223, 50, 0
Decimal	14625024
CIELab	48.60, 66.54, 61.51
CIElCh	49, 90.615, 42.751
Yxy	17.2739, 0.6222, 0.3442
Android (android.graphics.Color)	4292815104 (0xFFDF2900)
YUV	90.7440, -44.7368, 115.9885
Hunter-Lab	41.5619, 61.3693, 26.6846

Details

The XYZ color **31.2244, 17.2739, 1.6885** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **30.0438, 38.7768, 75.7127**, and the grayscale version is **9.9667, 10.4857, 11.4190**.

A 20% lighter version of the original color is **47.0301, 31.6586, 7.5028**, and **14.1006, 7.2691, 0.6599** is the 20% darker color. If you saturate the color by 10%, you get **31.2247, 17.2749, 1.6887**, and if you desaturate by 10%, it is **32.1540, 18.8972, 2.7272**.

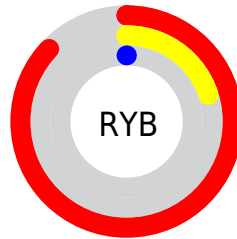
Distribution



Red (87%)

Green (16%)

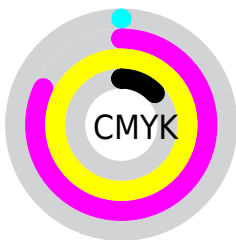
Blue (0%)



Red (87%)

Yellow (20%)

Blue (0%)

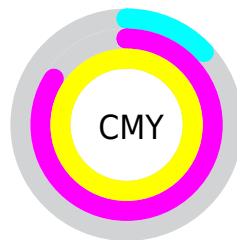


Cyan (0%)

Magenta (82%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (84%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2244, 17.2739, 1.6885 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 31.2244, 17.2739, 1.6885 by changing the saturation by 10% instead.


 31.2244, 17.2739,
1.6885


 31.2244, 17.2739,
1.6885


 299.3793,
236.7459, 117.3353


 20.9224, 10.4300,
0.3528


 60.9666, 38.7961,
8.1702


 13.1795, 5.6850,
0.0000

 81.1376, 54.2432,
14.2735

 7.6301, 2.6545,
0.0000


 105.3290, 73.3267,
22.8432

 3.9090, 0.9541,
0.0000

 133.9061, 96.4312,
34.2977

 1.6508, 0.0000,
0.0000

 167.2344,
123.9409, 49.0556

 0.4252, 0.0000,
0.0000


 205.6791,


 0.0000, 0.0000,


156.2404, 67.5355


0.0000


 249.6056,
193.7139, 90.1559


 31.2244, 17.2739,
1.6885


 31.2244, 17.2739,
1.6885


 31.2247, 17.2749,
1.6887

 32.1540, 18.8972,
2.7272

 33.5802, 21.2402,
4.7725

 35.5890, 24.3872,
8.1262

 38.2389, 28.4046,
12.9629

 41.5807, 33.3518,
19.4302

■ 45.6600, 39.2826,
27.6576

■ 50.5183, 46.2471,
37.7616

■ 56.1940, 54.2914,
49.8488

■ 62.7229, 63.4592,
64.0174

Harmonies

Analogous

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



37.5378, 17.2739, 10.3871



31.2244, 17.2739, 1.6885



21.6444, 17.2739, 0.0000

Triad

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



31.2244, 17.2739, 1.6885



5.3754, 17.2739, 8.2163



20.2161, 17.2739, 108.5003

Complementary

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



31.2244, 17.2739, 1.6885



30.0438, 38.7768, 75.7127

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.



12.1094, 17.2739, 105.5286



31.2244, 17.2739, 1.6885



5.2222, 17.2739, 30.8679

Square

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



31.2244, 17.2739, 1.6885



7.7646, 17.2739, 1.2275



7.2371, 17.2739, 70.3433



29.8788, 17.2739, 76.6618

Rectangle

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



31.2244, 17.2739, 1.6885



15.6610, 17.2739, 0.0000



7.2371, 17.2739, 70.3433



17.1997, 17.2739, 112.0086

Sweetspot

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



31.2248, 17.2750, 1.6887



68.3014, 62.4448, 50.8364



38.8868, 19.0701, 45.9504



13.9946, 12.4731, 9.5730



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.



31.2248, 17.2750, 1.6887



42.2526, 23.2852, 2.2675



41.7218, 38.2690, 5.1877



13.9101, 14.1063, 14.2964



18.4195, 10.2769, 1.0128



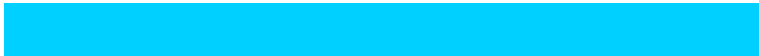
1.3370, 0.8328, 0.0903

Inverse Universe

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



30.0438, 38.7768, 75.7127



40.6298, 52.3795, 102.5766



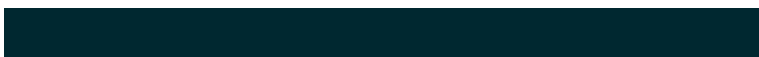
15.5482, 9.7857, 70.8808



13.8910, 15.1212, 17.5742



17.7424, 22.9544, 44.5439



1.2862, 1.7038, 3.1063

Previews

White Background



This preview shows how the XYZ color 31.2244, 17.2739, 1.6885 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



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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2244, 17.2739, 1.6885

Background



This preview shows how black text looks on a background with the XYZ color 31.2244, 17.2739, 1.6885.



This preview shows how white text looks on a background with the XYZ color 31.2244, 17.2739,

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

31.2244, 17.2739, 1.6885

Protanopia

15.9192, 17.6270, 3.6002

Deuteranopia

17.7171, 17.5719, 2.4579



Tritanopia

31.4909, 17.2726, 3.4245

Trichromacy



Original Color

31.2244, 17.2739, 1.6885

Protanomaly

18.9834, 15.0777, 2.4401

Deuteranomaly

21.0070, 15.7695, 1.9366

Tritanomaly

31.3551, 17.2715, 2.5453

Monochromacy



Original Color

31.2244, 17.2739, 1.6885

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

13.7937, 10.5595, 5.3142

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2244, 17.2739, 1.6885 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(223, 41, 0)` looks like.

```
.text, #text, p{  
    color:rgb(223, 41, 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(223, 41, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 41, 0) }
```

Border

The CSS property to change the border of an element to XYZ 31.2244, 17.2739, 1.6885 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(223, 41, 0) }
```


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

```
.border{ border-color:rgb(223, 41, 0) }
```

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

Here you see how a box with a 4 pixel rgb(223, 41, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 41, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 41, 0);  
box-shadow:4px 4px 4px 4px rgb(223, 41, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.2244, 17.2739, 1.6885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 41, 0) }
```

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

```
.background{ background-color: rgb(223, 41,  
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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