

Converting Colors

XYZ(31.0786, 16.5316, 4.5237)

Have a look what the booklet for
XYZ(31.0786, 16.5316, 4.5237)
contains.

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Color

**XYZ(31.0919, 16.5438,
4.5722)**

Conversions

Conversions Part 1

Format	Color
Hex	DE1B32
RGB	222, 27, 50
RGB Percent	87%, 11%, 20%
CMY	0.1294, 0.8940, 0.8039
CMYK	0.00, 0.88, 0.77, 0.13
HSL	353°, 78%, 49%
HSV	353°, 88%, 87%
XYZ	31.0919, 16.5438, 4.5722
YIQ	87.9270, 108.8370, 48.4930

Conversions

Conversions Part 2

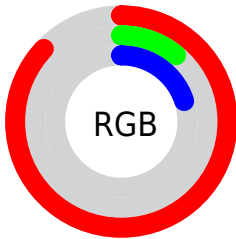
Format	Color
RYB	222, 27, 50
Decimal	14555954
CIELab	47.68, 70.03, 40.28
CIElCh	48, 80.787, 29.905
Yxy	16.5438, 0.5955, 0.3169
Android (android.graphics.Color)	4292746034 (0xFFDE1B32)
YUV	87.9270, -18.6980, 117.5820
Hunter-Lab	40.6741, 65.2686, 21.8070

Details

The XYZ color **31.0919, 16.5438, 4.5722** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **36.8854, 56.6002, 63.0285**, and the grayscale version is **9.2855, 9.7691, 10.6385**.

A 20% lighter version of the original color is **47.7654, 30.8584, 14.7480**, and **14.1334, 7.2822, 0.8330** is the 20% darker color. If you saturate the color by 10%, you get **30.4161, 15.7301, 2.6895**, and if you desaturate by 10%, it is **32.3242, 18.1820, 7.5317**.

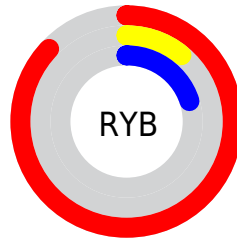
Distribution



Red (87%)

Green (11%)

Blue (20%)



Red (87%)

Yellow (11%)

Blue (20%)

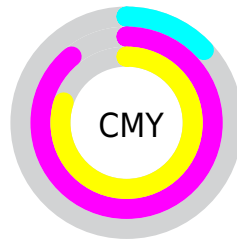


Cyan (0%)

Magenta (88%)

Yellow (77%)

Black (13%)



Cyan (13%)


Magenta (89%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.0919, 16.5438, 4.5722 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 31.0919, 16.5438, 4.5722 by changing the saturation by 10% instead.


 31.0919, 16.5438,
4.5722


 31.0919, 16.5438,
4.5722

298.7808,
232.5295, 154.3876


 20.8210, 9.9098,
1.9442


 60.7596, 37.5397,
15.3093


 13.1049, 5.3392,
0.5206


 80.8871, 52.6704,
24.2555


 7.5783, 2.4476,
0.0000


 105.0308, 71.4021,
36.1448

 3.8759, 0.8502,
0.0000

 133.5562, 94.1192,
51.3958

 1.6322, 0.0000,
0.0000

 166.8285,
121.2061, 70.4271

 0.4132, 0.0000,
0.0000

 205.2132,

 0.0000, 0.0000,

153.0472, 93.6571

0.0000

249.0755,
190.0269, 121.5044

■ 31.0919, 16.5438,
4.5722

■ 31.0919, 16.5438,
4.5722

■ 30.4161, 15.7301,
2.6895

■ 32.3242, 18.1820,
7.5317

■ 30.3122, 15.6048,
2.4011

■ 34.2147, 20.8144,
11.7027

■ 36.8405, 24.5673,
17.1986

■ 40.2678, 29.5475,
24.1193

■ 44.5551, 35.8494,
32.5554

■ 49.7557, 43.5581,
42.5894

■ 55.9183, 52.7515,
54.2983

■ 63.0883, 63.5021,
67.7538

■ 71.3080, 75.8772,
83.0236

Harmonies

Analogous

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



34.0960, 16.5438, 18.0796



31.0919, 16.5438, 4.5722



23.7646, 16.5438, 0.8607

Triad

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



31.0919, 16.5438, 4.5722



6.5112, 16.5438, 4.5264



15.7013, 16.5438, 94.2112

Complementary

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



31.0919, 16.5438, 4.5722



36.8854, 56.6002, 63.0285

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.



9.7392, 16.5438, 78.9656



31.0919, 16.5438, 4.5722



5.5257, 16.5438, 17.9473

Square

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



31.0919, 16.5438, 4.5722



9.7683, 16.5438, 0.8513



6.4983, 16.5438, 45.9995



23.7119, 16.5438, 79.1429

Rectangle

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



31.0919, 16.5438, 4.5722



18.2858, 16.5438, 0.1867



6.4983, 16.5438, 45.9995



13.4141, 16.5438, 92.3686

Sweetspot

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



31.0923, 16.5448, 4.5724



69.3954, 61.5352, 60.7509



36.3429, 17.7951, 70.6261



14.2743, 12.3097, 11.8945



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.



31.0923, 16.5448, 4.5724



41.4750, 21.3540, 3.1673



34.7383, 24.4410, 3.9252



13.7726, 13.7267, 14.5727



18.0261, 9.2774, 1.5372



1.2715, 0.6519, 0.2228

Inverse Universe

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



31.0923, 16.5448, 4.5724



41.4750, 21.3540, 3.1673



24.6252, 27.4828, 73.1136



13.7726, 13.7267, 14.5727



18.0261, 9.2774, 1.5372



1.2715, 0.6519, 0.2228

Previews

White Background



This preview shows how the XYZ color 31.0919, 16.5438, 4.5722 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 31.0919, 16.5438, 4.5722 looks on a 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 31.0919, 16.5438, 4.5722

Background



This preview shows how black text looks on a background with the XYZ color 31.0919, 16.5438, 4.5722.



This preview shows how white text looks on a background with the XYZ color 31.0919, 16.5438,

4.5722.

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

31.0919, 16.5438, 4.5722

Protanopia

15.5655, 16.8141, 8.9036

Deuteranopia

17.0087, 16.6921, 3.9945



Tritanopia

30.8503, 16.6465, 2.6857

Trichromacy



Original Color

31.0919, 16.5438, 4.5722

Protanomaly

18.4686, 13.8898, 6.7086

Deuteranomaly

20.2095, 14.5227, 3.8358

Tritanomaly

30.9069, 16.5855, 3.2414

Monochromacy



Original Color

31.0919, 16.5438, 4.5722

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

13.5008, 9.7092, 7.6411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0919, 16.5438, 4.5722 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, 27, 50)` looks like.

```
.text, #text, p{  
    color:rgb(222, 27, 50)  
}
```

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, 27, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 27, 50) }
```

Border

The CSS property to change the border of an element to XYZ 31.0919, 16.5438, 4.5722 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, 27, 50) }
```


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

```
.border{ border-color:rgb(222, 27, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 27, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 27, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 27, 50);  
box-shadow:4px 4px 4px 4px rgb(222, 27,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0919, 16.5438, 4.5722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 27, 50) }
```

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

```
.background{ background-color: rgb(222, 27,  
50) }
```

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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