

Converting Colors

XYZ(31.7948, 16.3049, 5.3674)

Have a look what the booklet for
XYZ(31.7948, 16.3049, 5.3674)
contains.

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Color

**XYZ(31.7899, 16.3030,
5.3422)**

Conversions

Conversions Part 1

Format	Color
Hex	E10039
RGB	225, 0, 57
RGB Percent	88%, 0%, 22%
CMY	0.1176, 0.9998, 0.7765
CMYK	0.00, 1.00, 0.75, 0.12
HSL	345°, 100%, 44%
HSV	345°, 100%, 88%
XYZ	31.7899, 16.3030, 5.3422
YIQ	73.7730, 115.8030, 65.4270

Conversions

Conversions Part 2

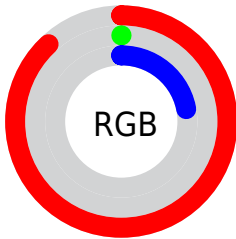
Format	Color
R_{YB}	225, 0, 57
Decimal	14745657
CIE Lab	47.37, 73.93, 36.04
CIE LCh	47, 82.245, 25.989
Yxy	16.3030, 0.5949, 0.3051
Android (android.graphics.Color)	4292935737 (0xFFE10039)
YUV	73.7730, -8.2691, 132.6261
Hunter-Lab	40.3770, 69.8782, 20.4193

Details

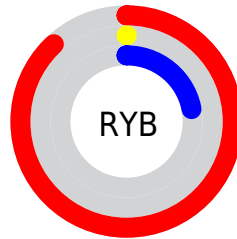
The XYZ color **31.7899, 16.3030, 5.3422** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **33.9985, 56.6796, 46.2199**, and the grayscale version is **6.4737, 6.8108, 7.4170**.

A 20% lighter version of the original color is **47.4798, 29.7416, 16.3350**, and **14.5907, 7.5110, 1.1710** is the 20% darker color. If you saturate the color by 10%, you get **31.7887, 16.3025, 5.3369**, and if you desaturate by 10%, it is **32.5782, 17.0945, 8.0266**.

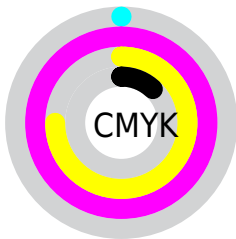
Distribution



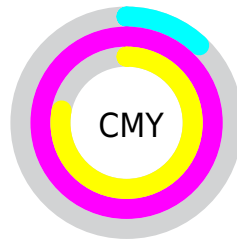
- Red (88%)
- Green (0%)
- Blue (22%)



- Red (88%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (75%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7899, 16.3030, 5.3422 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 31.7899, 16.3030, 5.3422 by changing the saturation by 10% instead.

 31.7899, 16.3030,
5.3422


 31.7899, 16.3030,
5.3422


301.9234,
231.1231, 162.1446


 21.3558, 9.7388,
2.3872


 61.8490, 37.1234,
17.0029


 13.4983, 5.2261,
0.7795


 82.2047, 52.1485,
26.5457


 7.8519, 2.3805,
0.0000

 106.5984, 70.7626,
39.1215

 4.0513, 0.8159,
0.0000

 135.3954, 93.3502,
55.1489

 1.7312, 0.0000,
0.0000

 168.9610,
120.2956, 75.0464

 0.4757, 0.0000,
0.0000

 207.6607,

 0.0000, 0.0000,

151.9833, 99.2324

0.0000

251.8597,
188.7977, 128.1257

■ 31.7899, 16.3030,
5.3422

■ 31.7899, 16.3030,
5.3422

■ 31.7887, 16.3025,
5.3369

■ 32.5782, 17.0945,
8.0266

■ 33.8631, 18.6369,
11.6217

■ 35.7670, 21.1581,
16.2227

■ 38.3636, 24.7895,
21.9034

■ 41.7158, 29.6420,
28.7299

■ 45.8790, 35.8129,
36.7629

■ 50.9033, 43.3896,
46.0582

■ 56.8348, 52.4521,
56.6685

■ 63.7159, 63.0743,
68.6430

Harmonies

Analogous

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



34.0725, 16.3030, 20.7052



31.7899, 16.3030, 5.3422



24.7175, 16.3030, 0.9436

Triad

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



31.7899, 16.3030, 5.3422



6.5478, 16.3030, 3.4446



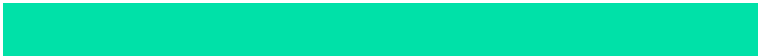
14.5370, 16.3030, 95.2849

Complementary

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



31.7899, 16.3030, 5.3422



33.9985, 56.6796, 46.2199

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.



8.9108, 16.3030, 76.0284



31.7899, 16.3030, 5.3422



5.3066, 16.3030, 15.0924

Square

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



31.7899, 16.3030, 5.3422



10.1356, 16.3030, 0.5414



6.0118, 16.3030, 41.7491



22.4741, 16.3030, 83.6654

Rectangle

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



31.7899, 16.3030, 5.3422



19.1373, 16.3030, 0.1310



6.0118, 16.3030, 41.7491



12.3478, 16.3030, 91.9690

Sweetspot

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



31.7903, 16.3040, 5.3424



67.4377, 57.3712, 60.8648



29.1111, 13.4382, 72.2932



13.7998, 11.3192, 11.8646



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.



31.7903, 16.3040, 5.3424



42.1813, 21.6365, 6.8868



32.3037, 18.5121, 1.8722



13.8489, 13.7572, 14.9744



18.3581, 9.4102, 3.2855



1.3083, 0.6666, 0.4161

Inverse Universe

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



31.7903, 16.3040, 5.3424



42.1813, 21.6365, 6.8868



28.4414, 35.1369, 76.5168



13.8489, 13.7572, 14.9744



18.3581, 9.4102, 3.2855



1.3083, 0.6666, 0.4161

Previews

White Background



This preview shows how the XYZ color 31.7899, 16.3030, 5.3422 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 31.7899, 16.3030, 5.3422 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 31.7899, 16.3030, 5.3422

Background



This preview shows how black text looks on a background with the XYZ color 31.7899, 16.3030, 5.3422.



This preview shows how white text looks on a background with the XYZ color 31.7899, 16.3030,

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

31.7899, 16.3030, 5.3422

Protanopia

15.7231, 16.8441, 11.2266

Deuteranopia

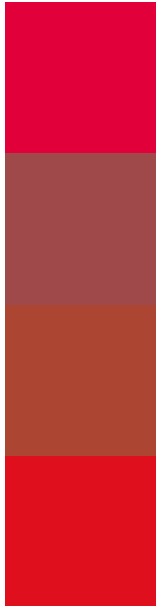
17.0786, 16.8699, 4.7390



Tritanopia

31.1533, 16.5351, 2.0016

Trichromacy



Original Color

31.7899, 16.3030, 5.3422

Protanomaly

17.9506, 12.6440, 8.1510

Deuteranomaly

19.6958, 13.2487, 4.4249

Tritanomaly

31.1456, 16.2827, 2.7296

Monochromacy



Original Color

31.7899, 16.3030, 5.3422

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

11.1132, 7.1175, 6.2569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7899, 16.3030, 5.3422 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(225, 0, 57)` looks like.

```
.text, #text, p{  
    color:rgb(225, 0, 57)  
}
```

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(225, 0, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 0, 57) }
```

Border

The CSS property to change the border of an element to XYZ 31.7899, 16.3030, 5.3422 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(225, 0, 57) }
```


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

```
.border{ border-color:rgb(225, 0, 57) }
```

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

Here you see how a box with a 4 pixel rgb(225, 0, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 0, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 0, 57);  
box-shadow:4px 4px 4px 4px rgb(225, 0, 57)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.7899, 16.3030, 5.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 0, 57) }
```

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

```
.background{ background-color: rgb(225, 0,  
57) }
```

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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