

Converting Colors

XYZ(31.6822, 16.3315, 1.5759)

Have a look what the booklet for
XYZ(31.6822, 16.3315, 1.5759)
contains.

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Color

**XYZ(31.6950, 16.3375,
1.5691)**

Conversions

Conversions Part 1

Format	Color
Hex	E30003
RGB	227, 0, 3
RGB Percent	89%, 0%, 1%
CMY	0.1098, 0.9998, 0.9882
CMYK	0.00, 1.00, 0.99, 0.11
HSL	359°, 100%, 45%
HSV	359°, 100%, 89%
XYZ	31.6950, 16.3375, 1.5691
YIQ	68.2150, 134.3290, 49.0570

Conversions

Conversions Part 2

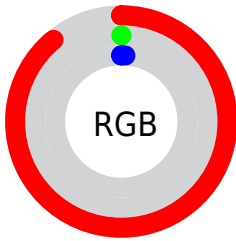
Format	Color
RYB	227, 0, 3
Decimal	14876675
CIELab	47.41, 73.39, 60.66
CIELCh	47, 95.217, 39.578
Yxy	16.3375, 0.6390, 0.3294
Android (android.graphics.Color)	4293066755 (0xFFE30003)
YUV	68.2150, -32.1510, 139.2544
Hunter-Lab	40.4197, 69.2360, 25.9921

Details

The XYZ color **31.6950, 16.3375, 1.5691** 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 **40.9315, 60.3228, 80.0457**, and the grayscale version is **5.5692, 5.8592, 6.3807**.

A 20% lighter version of the original color is **45.6347, 28.8677, 7.0377**, and **14.6979, 7.5771, 0.6879** is the 20% darker color. If you saturate the color by 10%, you get **31.6944, 16.3372, 1.5675**, and if you desaturate by 10%, it is **32.1598, 17.0059, 2.5303**.

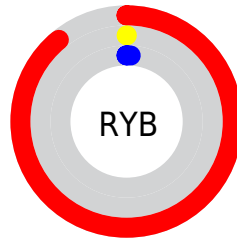
Distribution



Red (89%)

Green (0%)

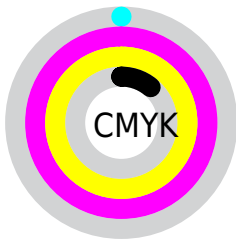
Blue (1%)



Red (89%)

Yellow (0%)

Blue (1%)

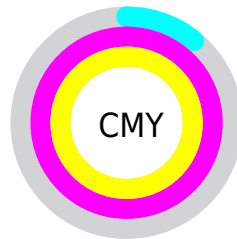


Cyan (0%)

Magenta (100%)

Yellow (99%)

Black (11%)



Cyan (11%)


Magenta (100%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6950, 16.3375, 1.5691 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 31.6950, 16.3375, 1.5691 by changing the saturation by 10% instead.


 31.6950, 16.3375,
1.5691


 31.6950, 16.3375,
1.5691


 301.4976,
231.3251, 115.2797

 21.2831, 9.7633,
0.2686


 61.7011, 37.1831,
7.8252


 13.4447, 5.2423,
0.0000


 82.0259, 52.2234,
13.7719


 7.8146, 2.3901,
0.0000


 106.3857, 70.8544,
22.1556

 4.0273, 0.8208,
0.0000

 135.1460, 93.4606,
33.3950

 1.7176, 0.0000,
0.0000

 168.6719,
120.4263, 47.9086

 0.4673, 0.0000,
0.0000


 207.3289,


 0.0000, 0.0000,


152.1361, 66.1148


0.0000


 251.4823,
188.9742, 88.4324


 31.6950, 16.3375,
1.5691


 31.6950, 16.3375,
1.5691


 31.6944, 16.3372,
1.5675

 32.1598, 17.0059,
2.5303

 33.1638, 18.4544,
4.5901

 34.8672, 20.9289,
8.0324

 37.3662, 24.5720,
13.0420

 40.7418, 29.5039,
19.7756

■ 45.0651, 35.8299,
28.3709

■ 50.3999, 43.6443,
38.9517

■ 56.8046, 53.0333,
51.6309

■ 64.3330, 64.0767,
66.5134

Harmonies

Analogous

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



37.6558, 16.3375, 11.1224



31.6950, 16.3375, 1.5691



21.9070, 16.3375, 0.0000

Triad

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



31.6950, 16.3375, 1.5691



4.7449, 16.3375, 6.0006



18.3879, 16.3375, 114.2351

Complementary

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



31.6950, 16.3375, 1.5691



40.9315, 60.3228, 80.0457

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.



10.5262, 16.3375, 106.5595



31.6950, 16.3375, 1.5691



4.3938, 16.3375, 26.6961

Square

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



31.6950, 16.3375, 1.5691



7.3141, 16.3375, 0.5844



6.0782, 16.3375, 66.8675



28.3319, 16.3375, 83.0350

Rectangle

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



31.6950, 16.3375, 1.5691



15.6482, 16.3375, 0.0000



6.0782, 16.3375, 66.8675



15.4090, 16.3375, 116.4835

Sweetspot

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



31.6953, 16.3386, 1.5693



65.4467, 56.5748, 50.3802



44.3639, 21.2697, 74.4396



13.3447, 11.1371, 9.4681



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.



31.6953, 16.3386, 1.5693



41.2581, 21.2673, 2.0255



37.2271, 27.4279, 3.3336



14.3846, 14.3710, 14.9595



18.4877, 9.5293, 0.9314



1.3689, 0.7053, 0.0830

Inverse Universe

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



31.6953, 16.3386, 1.5693



41.2581, 21.2673, 2.0255



20.2632, 18.3414, 75.1447



14.3846, 14.3710, 14.9595



18.4877, 9.5293, 0.9314



1.3689, 0.7053, 0.0830

Previews

White Background



This preview shows how the XYZ color 31.6950, 16.3375, 1.5691 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 31.6950, 16.3375, 1.5691

Background



This preview shows how black text looks on a background with the XYZ color 31.6950, 16.3375, 1.5691.



This preview shows how white text looks on a background with the XYZ color 31.6950, 16.3375,

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

31.6950, 16.3375, 1.5691

Protanopia

15.4183, 17.0223, 3.7013

Deuteranopia

16.9702, 16.8666, 2.3611

Trichromacy



Original Color

31.6950, 16.3375, 1.5691

Protanomaly

18.0259, 12.8149, 2.1853

Deuteranomaly

19.5892, 13.2571, 1.5551

Monochromacy



Original Color

31.6950, 16.3375, 1.5691

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

9.9227, 6.3452, 3.0846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6950, 16.3375, 1.5691 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(227, 0, 3)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 3)  
}
```

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(227, 0, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 3) }
```

Border

The CSS property to change the border of an element to XYZ 31.6950, 16.3375, 1.5691 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(227, 0, 3) }
```

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

```
.border{ border-color:rgb(227, 0, 3) }
```

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

Here you see how a box with a 4 pixel rgb(227, 0, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(227, 0, 3); box-shadow:4px  
4px 4px 4px rgb(227, 0, 3) }
```


Background

The CSS property to change the background color of an element to XYZ 31.6950, 16.3375, 1.5691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 3) }
```

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

```
.background{ background-color: rgb(227, 0,  
3) }
```

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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