

Converting Colors

XYZ(31.3509, 16.1273, 3.0309)

Have a look what the booklet for
XYZ(31.3509, 16.1273, 3.0309)
contains.

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Color

**XYZ(31.3547, 16.1289,
3.0507)**

Conversions

Conversions Part 1

Format	Color
Hex	E10023
RGB	225, 0, 35
RGB Percent	88%, 0%, 14%
CMY	0.1177, 0.9998, 0.8627
CMYK	0.00, 1.00, 0.84, 0.12
HSL	351°, 100%, 44%
HSV	351°, 100%, 88%
XYZ	31.3547, 16.1289, 3.0507
YIQ	71.2650, 122.8650, 58.5850

Conversions

Conversions Part 2

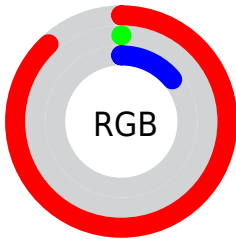
Format	Color
RYB	225, 0, 35
Decimal	14745635
CIELab	47.14, 73.31, 48.12
CIElCh	47, 87.696, 33.281
Yxy	16.1289, 0.6205, 0.3192
Android (android.graphics.Color)	4292935715 (0xFFE10023)
YUV	71.2650, -17.8786, 134.8256
Hunter-Lab	40.1608, 69.0787, 23.6088

Details

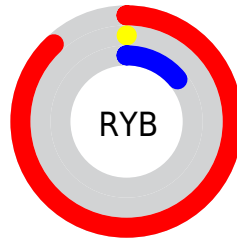
The XYZ color **31.3547, 16.1289, 3.0507** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **36.2257, 57.5703, 57.9482**, and the grayscale version is **6.0538, 6.3690, 6.9359**.

A 20% lighter version of the original color is **46.3814, 29.1664, 10.9697**, and **14.4972, 7.4736, 0.6785** is the 20% darker color. If you saturate the color by 10%, you get **31.3538, 16.1285, 3.0472**, and if you desaturate by 10%, it is **32.0147, 16.8690, 5.0593**.

Distribution



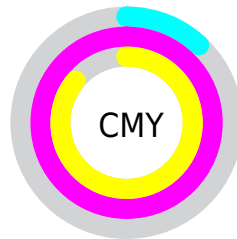
- Red (88%)
- Green (0%)
- Blue (14%)



- Red (88%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (84%)
- Black (12%)




- Cyan (12%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.3547, 16.1289, 3.0507 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 31.3547, 16.1289, 3.0507 by changing the saturation by 10% instead.

 31.3547, 16.1289,
3.0507

 31.3547, 16.1289,
3.0507


299.9669,
230.1011, 137.0038


 21.0222, 9.6154,
1.1206


 61.1701, 36.8218,
11.7533


 13.2528, 5.1447,
0.0000


 81.3838, 51.7701,
19.3628

 7.6811, 2.3324,
0.0000


 105.6220, 70.2987,
29.7026

 3.9416, 0.7908,
0.0000

 134.2499, 92.7921,
43.1912

 1.6692, 0.0000,
0.0000

 167.6330,
119.6346, 60.2470


 0.4369, 0.0000,
0.0000


 206.1366,


 0.0000, 0.0000,


151.2107, 81.2887


0.0000


 250.1262,
187.9047, 106.7348


 31.3547, 16.1289,
3.0507


 31.3547, 16.1289,
3.0507


 31.3538, 16.1285,
3.0472

 32.0147, 16.8690,
5.0593

 33.1944, 18.3694,
8.1010

 35.0237, 20.8608,
12.3089

 37.5820, 24.4768,
17.7878

 40.9372, 29.3305,
24.6307

■ 45.1494, 35.5210,
32.9216

■ 50.2726, 43.1372,
42.7377

■ 56.3565, 52.2607,
54.1507

■ 63.4470, 62.9666,
67.2278

Harmonies

Analogous

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



35.3936, 16.1289, 15.2430



31.3547, 16.1289, 3.0507



23.0045, 16.1289, 0.2062

Triad

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



31.3547, 16.1289, 3.0507



5.5378, 16.1289, 4.5568



16.1939, 16.1289, 103.1392

Complementary

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



31.3547, 16.1289, 3.0507



36.2257, 57.5703, 57.9482

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.



9.5860, 16.1289, 89.2858



31.3547, 16.1289, 3.0507



4.7846, 16.1289, 20.1042

Square

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



31.3547, 16.1289, 3.0507



8.5515, 16.1289, 0.5571



5.9792, 16.1289, 52.6607



24.9841, 16.1289, 82.2951

Rectangle

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



31.3547, 16.1289, 3.0507



17.1300, 16.1289, 0.0000



5.9792, 16.1289, 52.6607



13.6608, 16.1289, 102.4185

Sweetspot

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



31.3550, 16.1299, 3.0509



66.5964, 57.0347, 56.4347



34.2092, 16.0664, 72.5317



13.6062, 11.2417, 10.8448



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.



31.3550, 16.1299, 3.0509



41.6165, 21.4106, 3.9126



33.5699, 21.0445, 2.2942



13.7936, 13.7351, 14.6833



18.0949, 9.3050, 1.8997



1.2815, 0.6559, 0.2752

Inverse Universe

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



31.3550, 16.1299, 3.0509



41.6165, 21.4106, 3.9126



24.5003, 27.2548, 75.2030



13.7936, 13.7351, 14.6833



18.0949, 9.3050, 1.8997



1.2815, 0.6559, 0.2752

Previews

White Background



This preview shows how the XYZ color 31.3547, 16.1289, 3.0507 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 31.3547, 16.1289, 3.0507 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 31.3547, 16.1289, 3.0507

Background



This preview shows how black text looks on a background with the XYZ color 31.3547, 16.1289, 3.0507.



This preview shows how white text looks on a background with the XYZ color 31.3547, 16.1289,

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

31.3547, 16.1289, 3.0507

Protanopia

15.3600, 16.7657, 6.2974

Deuteranopia

16.8642, 16.6544, 2.3258



Tritanopia

30.9906, 16.3476, 1.5220

Trichromacy



Original Color

31.3547, 16.1289, 3.0507

Protanomaly

17.8372, 12.6682, 4.4108

Deuteranomaly

19.4343, 13.1695, 1.8984

Tritanomaly

30.9570, 16.1642, 1.8692

Monochromacy



Original Color

31.3547, 16.1289, 3.0507

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

10.4545, 6.6943, 4.7441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3547, 16.1289, 3.0507 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, 35)` looks like.

```
.text, #text, p{  
    color:rgb(225, 0, 35)  
}
```

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, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 0, 35) }
```

Border

The CSS property to change the border of an element to XYZ 31.3547, 16.1289, 3.0507 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, 35) }
```


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

```
.border{ border-color:rgb(225, 0, 35) }
```

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, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 0, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 0, 35);  
box-shadow:4px 4px 4px 4px rgb(225, 0, 35)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.3547, 16.1289, 3.0507 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, 35) }
```

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

```
.background{ background-color: rgb(225, 0,  
35) }
```

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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