

Converting Colors

XYZ(31.6356, 16.2947, 2.8443)

Have a look what the booklet for
XYZ(31.6356, 16.2947, 2.8443)
contains.

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Color

**XYZ(31.6356, 16.2947,
2.8443)**

Conversions

Conversions Part 1

Format	Color
Hex	E20120
RGB	226, 1, 32
RGB Percent	89%, 0%, 13%
CMY	0.1137, 0.9959, 0.8745
CMYK	0.00, 1.00, 0.86, 0.11
HSL	352°, 99%, 45%
HSV	352°, 100%, 89%
XYZ	31.6356, 16.2947, 2.8443
YIQ	71.8090, 124.1490, 57.3410

Conversions

Conversions Part 2

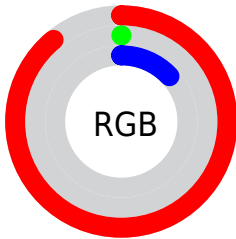
Format	Color
RYB	226, 1, 32
Decimal	14811424
CIELab	47.36, 73.41, 49.90
CIElCh	47, 88.764, 34.203
Yxy	16.2947, 0.6231, 0.3209
Android (android.graphics.Color)	4293001504 (0xFFE20120)
YUV	71.8090, -19.6258, 135.2255
Hunter-Lab	40.3667, 69.2497, 24.0790

Details

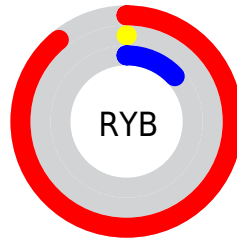
The XYZ color **31.6356, 16.2947, 2.8443** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **37.0653, 58.3415, 60.9670**, and the grayscale version is **6.1492, 6.4695, 7.0453**.

A 20% lighter version of the original color is **46.3924, 29.3067, 10.6087**, and **14.6979, 7.5771, 0.6879** is the 20% darker color. If you saturate the color by 10%, you get **31.6124, 16.2681, 2.7767**, and if you desaturate by 10%, it is **32.2917, 17.0510, 4.7782**.

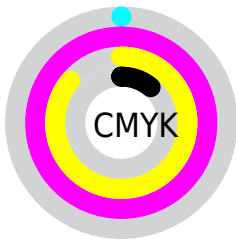
Distribution



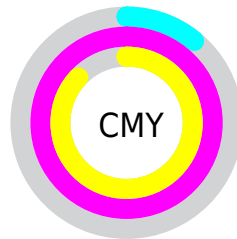
- Red (89%)
- Green (0%)
- Blue (13%)



- Red (89%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (86%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6356, 16.2947, 2.8443 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 31.6356, 16.2947, 2.8443 by changing the saturation by 10% instead.

 31.6356, 16.2947,
2.8443


 31.6356, 16.2947,
2.8443


301.2308,
231.0745, 134.3522


 21.2375, 9.7329,
1.0157


 61.6084, 37.1091,
11.2418

 13.4112, 5.2222,
0.0000


 81.9139, 52.1305,
18.6477

 7.7912, 2.3782,
0.0000


 106.2526, 70.7405,
28.7498

 4.0123, 0.8147,
0.0000

 134.9897, 93.3236,
41.9667

 1.7091, 0.0000,
0.0000

 168.4908,
120.2642, 58.7168


 0.4620, 0.0000,
0.0000


 207.1211,


 0.0000, 0.0000,


151.9465, 79.4187


0.0000


 251.2460,
188.7552, 104.4910


 31.6356, 16.2947,
2.8443


 31.6356, 16.2947,
2.8443


 31.6124, 16.2681,
2.7767

 32.2917, 17.0510,
4.7782

 33.4874, 18.5970,
7.7827

 35.3484, 21.1528,
11.9984

 37.9560, 24.8531,
17.5378

 41.3795, 29.8118,
24.5004

■ 45.6802, 36.1289,
32.9761

■ 50.9135, 43.8946,
43.0473

■ 57.1302, 53.1910,
54.7902

■ 64.3773, 64.0942,
68.2764

Harmonies

Analogous

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



35.9581, 16.2947, 14.7574



31.6356, 16.2947, 2.8443



23.0330, 16.2947, 0.1213

Triad

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



31.6356, 16.2947, 2.8443



5.4818, 16.2947, 4.7916



16.6210, 16.2947, 105.2718

Complementary

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



31.6356, 16.2947, 2.8443



37.0653, 58.3415, 60.9670

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.



9.8014, 16.2947, 92.1162



31.6356, 16.2947, 2.8443



4.7812, 16.2947, 21.1045

Square

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



31.6356, 16.2947, 2.8443



8.4551, 16.2947, 0.5762



6.0544, 16.2947, 54.8495



25.6221, 16.2947, 82.9350

Rectangle

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



31.6356, 16.2947, 2.8443



17.0636, 16.2947, 0.0000



6.0544, 16.2947, 54.8495



14.0118, 16.2947, 104.9286

Sweetspot

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



31.6359, 16.2957, 2.8445



66.4481, 56.9753, 55.6536



35.5422, 16.7538, 73.3116



13.5722, 11.2281, 10.6660



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.



31.6359, 16.2957, 2.8445



41.5446, 21.3818, 3.5341



34.2224, 21.8765, 2.4491



13.7836, 13.7311, 14.6309



18.0602, 9.2911, 1.7170



1.2768, 0.6540, 0.2504

Inverse Universe

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



31.6359, 16.2957, 2.8445



41.5446, 21.3818, 3.5341



24.2159, 26.4485, 75.7798



13.7836, 13.7311, 14.6309



18.0602, 9.2911, 1.7170



1.2768, 0.6540, 0.2504

Previews

White Background



This preview shows how the XYZ color 31.6356, 16.2947, 2.8443 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 31.6356, 16.2947, 2.8443 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 31.6356, 16.2947, 2.8443

Background



This preview shows how black text looks on a background with the XYZ color 31.6356, 16.2947, 2.8443.



This preview shows how white text looks on a background with the XYZ color 31.6356, 16.2947,

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

31.6356, 16.2947, 2.8443

Protanopia

15.4123, 16.8037, 5.7993

Deuteranopia

16.8642, 16.6544, 2.3258



Tritanopia

31.3015, 16.5079, 1.5366

Trichromacy



Original Color

31.6356, 16.2947, 2.8443

Protanomaly

17.9605, 12.7411, 3.9953

Deuteranomaly

19.6500, 13.2815, 1.8757

Tritanomaly

31.2616, 16.3219, 1.8506

Monochromacy



Original Color

31.6356, 16.2947, 2.8443

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

10.6176, 6.8386, 4.6313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6356, 16.2947, 2.8443 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(226, 1, 32)` looks like.

```
.text, #text, p{  
    color:rgb(226, 1, 32)  
}
```

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(226, 1, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 1, 32) }
```

Border

The CSS property to change the border of an element to XYZ 31.6356, 16.2947, 2.8443 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(226, 1, 32) }
```


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

```
.border{ border-color:rgb(226, 1, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 1, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 1, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 1, 32);  
box-shadow:4px 4px 4px 4px rgb(226, 1, 32)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.6356, 16.2947, 2.8443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 1, 32) }
```

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

```
.background{ background-color: rgb(226, 1,  
32) }
```

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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