

Converting Colors

XYZ(31.2513, 16.8423, 3.1939)

Have a look what the booklet for
XYZ(31.2513, 16.8423, 3.1939)
contains.

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Color

**XYZ(31.2513, 16.8423,
3.1939)**

Conversions

Conversions Part 1

Format	Color
Hex	DF2023
RGB	223, 32, 35
RGB Percent	87%, 13%, 14%
CMY	0.1255, 0.8744, 0.8627
CMYK	0.00, 0.86, 0.84, 0.13
HSL	359°, 75%, 50%
HSV	359°, 86%, 87%
XYZ	31.2513, 16.8423, 3.1939
YIQ	89.4510, 112.8730, 41.4250

Conversions

Conversions Part 2

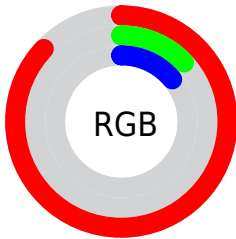
Format	Color
RYB	223, 32, 35
Decimal	14622755
CIELab	48.06, 68.98, 48.77
CIElCh	48, 84.476, 35.261
Yxy	16.8423, 0.6093, 0.3284
Android (android.graphics.Color)	4292812835 (0xFFDF2023)
YUV	89.4510, -26.8443, 117.1225
Hunter-Lab	41.0394, 64.1081, 24.1133

Details

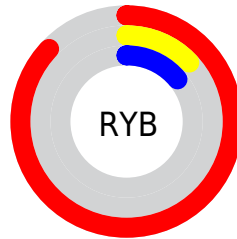
The XYZ color **31.2513, 16.8423, 3.1939** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **39.9046, 58.2507, 76.8637**, and the grayscale version is **9.6380, 10.1400, 11.0424**.

A 20% lighter version of the original color is **47.3202, 30.9835, 11.4690**, and **14.1006, 7.2691, 0.6599** is the 20% darker color. If you saturate the color by 10%, you get **30.6097, 15.9281, 1.8435**, and if you desaturate by 10%, it is **32.5027, 18.6511, 5.7517**.

Distribution



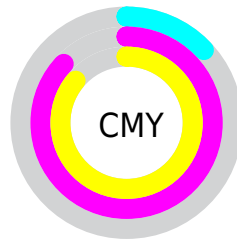
- Red (87%)
- Green (13%)
- Blue (14%)



- Red (87%)
- Yellow (13%)
- Blue (14%)



- Cyan (0%)
- Magenta (86%)
- Yellow (84%)
- Black (13%)





- Cyan (13%)
- Magenta (87%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2513, 16.8423, 3.1939 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 31.2513, 16.8423, 3.1939 by changing the saturation by 10% instead.


 31.2513, 16.8423,
3.1939


 31.2513, 16.8423,
3.1939


299.5006,
234.2620, 138.7931


 20.9430, 10.1221,
1.1945


 61.0087, 38.0544,
12.1033


 13.1946, 5.4800,
0.0000


 81.1885, 53.3152,
19.8503


 7.6406, 2.5316,
0.0000


 105.3895, 72.1916,
30.3502

 3.9157, 0.8924,
0.0000

 133.9771, 95.0680,
44.0217

 1.6546, 0.0000,
0.0000

 167.3167,
122.3288, 61.2832


 0.4276, 0.0000,
0.0000


 205.7736,


 0.0000, 0.0000,


154.3585, 82.5532


0.0000


 249.7131,
191.5414, 108.2504


 31.2513, 16.8423,
3.1939


 31.2513, 16.8423,
3.1939

 30.6097, 15.9281,
1.8435


 32.5027, 18.6511,
5.7517

 30.4503, 15.6955,
1.5246

 34.4664, 21.5058,
9.7134

 37.2275, 25.5333,
15.2415

 40.8586, 30.8415,
22.4757

 45.4244, 37.5264,
31.5406

■ 50.9833, 45.6744,
42.5490

■ 57.5890, 55.3653,
55.6047

■ 65.2915, 66.6727,
70.8041

■ 74.1373, 79.6659,
88.2375

Harmonies

Analogous

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



35.5484, 16.8423, 14.7443



31.2513, 16.8423, 3.1939



22.9774, 16.8423, 0.4292

Triad

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



31.2513, 16.8423, 3.1939



6.0284, 16.8423, 5.7643



17.3935, 16.8423, 100.2532

Complementary

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



31.2513, 16.8423, 3.1939



39.9046, 58.2507, 76.8637

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.



10.6132, 16.8423, 89.2485



31.2513, 16.8423, 3.1939



5.3821, 16.8423, 22.4737

Square

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



31.2513, 16.8423, 3.1939



8.9360, 16.8423, 0.9708



6.7586, 16.8423, 54.9348



26.0764, 16.8423, 78.6201

Rectangle

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



31.2513, 16.8423, 3.1939



17.2528, 16.8423, 0.0000



6.7586, 16.8423, 54.9348



14.8247, 16.8423, 100.3570

Sweetspot

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



31.2517, 16.8434, 3.1941



68.6384, 61.2324, 56.7647



43.2959, 21.5488, 71.6889



14.1008, 12.2403, 10.9810



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.



31.2517, 16.8434, 3.1941



41.2618, 21.2687, 2.0448



37.9409, 30.2897, 5.2148



13.7159, 13.7040, 14.2740



17.9082, 9.2303, 0.9166



1.2444, 0.6410, 0.0799

Inverse Universe

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



31.2517, 16.8434, 3.1941



41.2618, 21.2687, 2.0448



21.9906, 21.7853, 72.8575



13.7159, 13.7040, 14.2740



17.9082, 9.2303, 0.9166



1.2444, 0.6410, 0.0799

Previews

White Background



This preview shows how the XYZ color 31.2513, 16.8423, 3.1939 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 31.2513, 16.8423, 3.1939 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 31.2513, 16.8423, 3.1939

Background



This preview shows how black text looks on a background with the XYZ color 31.2513, 16.8423, 3.1939.



This preview shows how white text looks on a background with the XYZ color 31.2513, 16.8423,

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

31.2513, 16.8423, 3.1939

Protanopia

15.5727, 17.0493, 6.0845

Deuteranopia

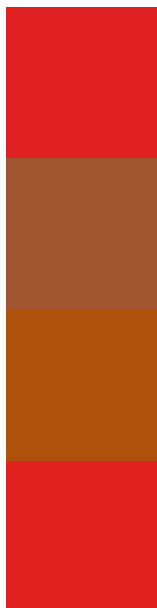
17.1512, 16.9592, 2.3982



Tritanopia

31.2096, 16.8694, 2.8395

Trichromacy



Original Color

31.2513, 16.8423, 3.1939

Protanomaly

18.6823, 14.3918, 4.5895

Deuteranomaly

20.2487, 14.7982, 2.1699

Tritanomaly

31.2360, 16.8800, 2.9783

Monochromacy



Original Color

31.2513, 16.8423, 3.1939

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

13.6225, 9.9672, 6.8361

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2513, 16.8423, 3.1939 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(223, 32, 35)` looks like.

```
.text, #text, p{  
  color:rgb(223, 32, 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(223, 32, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 32, 35) }
```

Border

The CSS property to change the border of an element to XYZ 31.2513, 16.8423, 3.1939 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(223, 32, 35) }
```


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

```
.border{ border-color:rgb(223, 32, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 32, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 32, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 32, 35);  
box-shadow:4px 4px 4px 4px rgb(223, 32,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2513, 16.8423, 3.1939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 32, 35) }
```

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

```
.background{ background-color: rgb(223, 32,  
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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