

Converting Colors

XYZ(32.0022, 18.1943, 3.2546)

Have a look what the booklet for
XYZ(32.0022, 18.1943, 3.2546)
contains.

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Color

**XYZ(31.8898, 18.1654,
3.2643)**

Conversions

Conversions Part 1

Format	Color
Hex	DF3321
RGB	223, 51, 33
RGB Percent	87%, 20%, 13%
CMY	0.1255, 0.7999, 0.8706
CMYK	0.00, 0.77, 0.85, 0.13
HSL	6°, 75%, 50%
HSV	6°, 85%, 87%
XYZ	31.8898, 18.1654, 3.2643
YIQ	100.3760, 108.2900, 30.8660

Conversions

Conversions Part 2

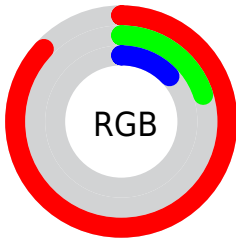
Format	Color
RYB	223, 53, 33
Decimal	14627617
CIELab	49.70, 64.26, 51.14
CIELCh	50, 82.127, 38.512
Yxy	18.1654, 0.5981, 0.3407
Android (android.graphics.Color)	4292817697 (0xFFDF3321)
YUV	100.3760, -33.2164, 107.5412
Hunter-Lab	42.6209, 58.9707, 25.2936

Details

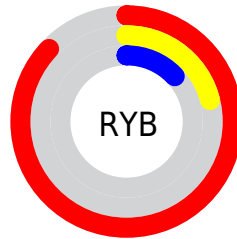
The XYZ color **31.8898, 18.1654, 3.2643** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **35.7746, 49.3073, 77.4434**, and the grayscale version is **12.2736, 12.9128, 14.0620**.

A 20% lighter version of the original color is **48.5194, 33.4424, 11.6824**, and **14.2981, 7.3709, 0.6691** is the 20% darker color. If you saturate the color by 10%, you get **30.9754, 16.6824, 1.8950**, and if you desaturate by 10%, it is **33.3940, 20.4985, 5.8488**.

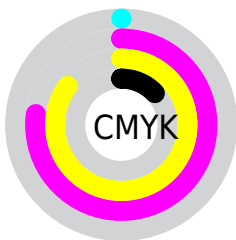
Distribution



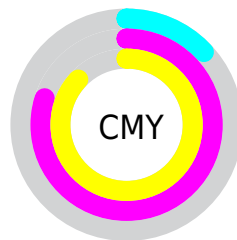
- Red (87%)
- Green (20%)
- Blue (13%)



- Red (87%)
- Yellow (21%)
- Blue (13%)



- Cyan (0%)
- Magenta (77%)
- Yellow (85%)
- Black (13%)





- Cyan (13%)
- Magenta (80%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8898, 18.1654, 3.2643 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 31.8898, 18.1654, 3.2643 by changing the saturation by 10% instead.


 31.8898, 18.1654,
3.2643


 31.8898, 18.1654,
3.2643


302.3712,
241.8017, 139.6588


 21.4325, 11.0688,
1.2311


 62.0047, 40.3190,
12.2739


 13.5548, 6.1131,
0.0043


 82.3929, 56.1447,
20.0875


 7.8913, 2.9140,
0.0000


 106.8222, 75.6490,
30.6649

 4.0767, 1.0870,
0.0000

 135.6578, 99.2161,
44.4247

 1.7456, 0.0000,
0.0000

 169.2651,
127.2306, 61.7854


 0.4846, 0.0000,
0.0000


 208.0096,


 0.0000, 0.0000,


160.0767, 83.1657


0.0000


 252.2565,
198.1390, 108.9840


 31.8898, 18.1654,
3.2643


 31.8898, 18.1654,
3.2643


 30.9754, 16.6824,
1.8950


 33.3940, 20.4985,
5.8488

 30.7020, 16.2294,
1.5144

 35.5662, 23.7804,
9.8484

 38.4736, 28.0999,
15.4273

 42.1748, 33.5346,
22.7274

 46.7225, 40.1546,
31.8745

■ 52.1648, 48.0244,
42.9827

■ 58.5461, 57.2036,
56.1568

■ 65.9080, 67.7483,
71.4943

■ 74.2894, 79.7111,
89.0864

Harmonies

Analogous

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



36.7914, 18.1654, 14.0701



31.8898, 18.1654, 3.2643



23.3739, 18.1654, 0.6477

Triad

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



31.8898, 18.1654, 3.2643



6.7204, 18.1654, 7.8344



19.5860, 18.1654, 100.1319

Complementary

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



31.8898, 18.1654, 3.2643



35.7746, 49.3073, 77.4434

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.



12.3267, 18.1654, 92.8940



31.8898, 18.1654, 3.2643



6.2627, 18.1654, 26.8548

Square

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



31.8898, 18.1654, 3.2643



9.4992, 18.1654, 1.6019



7.9767, 18.1654, 60.4833



28.4107, 18.1654, 76.1553

Rectangle

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



31.8898, 18.1654, 3.2643



17.6588, 18.1654, 0.2505



7.9767, 18.1654, 60.4833



16.8784, 18.1654, 101.4924

Sweetspot

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



31.8902, 18.1665, 3.2646



69.9046, 63.9449, 56.6318



42.2580, 21.2888, 61.0200



14.3906, 12.8609, 10.9510



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.



31.8902, 18.1665, 3.2646



41.5703, 21.9205, 2.0401



40.6538, 35.6937, 6.1858



13.8112, 13.9084, 14.2634



18.0887, 9.6154, 0.9026



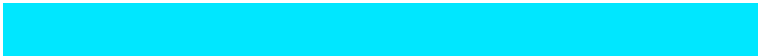
1.2901, 0.7391, 0.0747

Inverse Universe

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



35.7746, 49.3073, 77.4434



46.5769, 64.2738, 104.5590



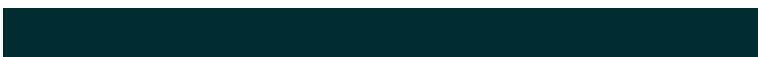
19.7590, 17.2762, 72.1049



13.9997, 15.3385, 17.6104



20.2760, 28.0215, 45.3884



1.4382, 2.0078, 3.1570

Previews

White Background



This preview shows how the XYZ color 31.8898, 18.1654, 3.2643 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 31.8898, 18.1654, 3.2643 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.8898, 18.1654, 3.2643

Background



This preview shows how black text looks on a background with the XYZ color 31.8898, 18.1654, 3.2643.



This preview shows how white text looks on a background with the XYZ color 31.8898, 18.1654,

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

31.8898, 18.1654, 3.2643

Protanopia

16.6883, 18.3295, 5.6760

Deuteranopia

18.4828, 18.2943, 2.5570



Tritanopia

32.1055, 18.1149, 4.8220

Trichromacy



Original Color

31.8898, 18.1654, 3.2643

Protanomaly

19.9744, 16.1866, 4.4544

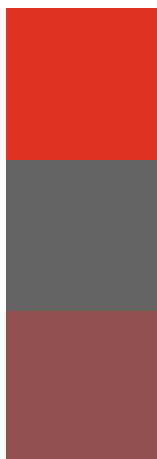
Deuteranomaly

21.8540, 16.6860, 2.4167

Tritanomaly

32.0267, 18.1510, 4.1984

Monochromacy



Original Color

31.8898, 18.1654, 3.2643

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

15.9989, 12.5761, 8.4217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8898, 18.1654, 3.2643 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, 51, 33)` looks like.

```
.text, #text, p{  
    color:rgb(223, 51, 33)  
}
```

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, 51, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 51, 33) }
```

Border

The CSS property to change the border of an element to XYZ 31.8898, 18.1654, 3.2643 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, 51, 33) }
```


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

```
.border{ border-color:rgb(223, 51, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 51, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 51, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 51, 33);  
box-shadow:4px 4px 4px 4px rgb(223, 51,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8898, 18.1654, 3.2643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 51, 33) }
```

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

```
.background{ background-color: rgb(223, 51,  
33) }
```

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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