

Converting Colors

XYZ(31.8794, 16.2672, 9.0483)

Have a look what the booklet for
XYZ(31.8794, 16.2672, 9.0483)
contains.

XYZ(31.8794, 16.2672, 9.0491)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.8794, 16.2672,
9.0491)**

Conversions

Conversions Part 1

Format	Color
Hex	DF0050
RGB	223, 0, 80
RGB Percent	87%, 0%, 31%
CMY	0.1255, 0.9998, 0.6863
CMYK	0.00, 1.00, 0.64, 0.13
HSL	338°, 100%, 44%
HSV	338°, 100%, 87%
XYZ	31.8794, 16.2672, 9.0491
YIQ	75.7970, 107.2280, 72.1560

Conversions

Conversions Part 2

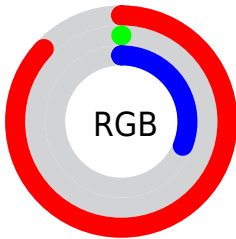
Format	Color
R_{YB}	223, 0, 80
Decimal	14614608
CIE Lab	47.32, 74.45, 21.90
CIE LCh	47, 77.607, 16.390
Yxy	16.2672, 0.5574, 0.2844
Android (android.graphics.Color)	4292804688 (0xFFDF0050)
YUV	75.7970, 2.0721, 129.0970
Hunter-Lab	40.3326, 70.5065, 14.9304

Details

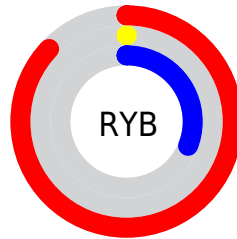
The XYZ color **31.8794, 16.2672, 9.0491** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **31.3500, 54.7601, 34.9246**, and the grayscale version is **6.8203, 7.1755, 7.8141**.

A 20% lighter version of the original color is **48.9435, 30.3272, 24.0430**, and **14.6320, 7.5045, 2.4276** is the 20% darker color. If you saturate the color by 10%, you get **31.8780, 16.2666, 9.0426**, and if you desaturate by 10%, it is **32.7590, 17.0889, 12.2332**.

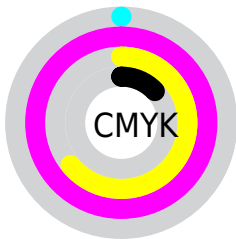
Distribution



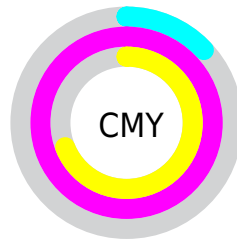
- Red (87%)
- Green (0%)
- Blue (31%)



- Red (87%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (13%)





- Cyan (13%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8794, 16.2672, 9.0491 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 31.8794, 16.2672, 9.0491 by changing the saturation by 10% instead.


 31.8794, 16.2672,
9.0491


 31.8794, 16.2672,
9.0491


302.3246,
230.9133, 193.9753


 21.4245, 9.7134,
4.6760


 61.9884, 37.0615,
24.5701


 13.5489, 5.2094,
2.0030

 82.3733, 52.0707,
36.5551

 7.8872, 2.3706,
0.5571

 106.7989, 70.6673,
51.9144

 4.0740, 0.8107,
0.0000

 135.6305, 93.2355,
71.0666

 1.7441, 0.0000,
0.0000

 169.2335,
120.1599, 94.4303

 0.4836, 0.0000,
0.0000

 207.9733,

 0.0000, 0.0000,

151.8247, 122.4239

0.0000

252.2152,
188.6144, 155.4661

■ 31.8794, 16.2672,
9.0491

■ 31.8794, 16.2672,
9.0491

■ 31.8780, 16.2666,
9.0426

■ 32.7590, 17.0889,
12.2332

■ 34.0956, 18.6339,
16.1570

■ 36.0051, 21.1244,
20.8892

■ 38.5553, 24.6870,
26.4803

■ 41.8041, 29.4289,
32.9757

■ 45.8024, 35.4439,
40.4172

■ 50.5961, 42.8163,
48.8436

■ 56.2274, 51.6232,
58.2913

■ 62.7353, 61.9358,
68.7947

Harmonies

Analogous

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



32.1484, 16.2672, 28.1700



31.8794, 16.2672, 9.0491



26.4590, 16.2672, 2.0247

Triad

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



31.8794, 16.2672, 9.0491



7.7433, 16.2672, 2.3455



12.5610, 16.2672, 85.6258

Complementary

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



31.8794, 16.2672, 9.0491



31.3500, 54.7601, 34.9246

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.



8.0321, 16.2672, 61.5507



31.8794, 16.2672, 9.0491



5.8592, 16.2672, 10.2279

Square

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



31.8794, 16.2672, 9.0491



12.0306, 16.2672, 0.4990



5.9464, 16.2672, 30.6508



19.4895, 16.2672, 84.2772

Rectangle

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



31.8794, 16.2672, 9.0491



21.3681, 16.2672, 0.7328



5.9464, 16.2672, 30.6508



10.7580, 16.2672, 79.7579

Sweetspot

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



31.8798, 16.2682, 9.0493



68.3925, 57.7531, 65.8924



24.3472, 11.0137, 70.6542



14.0217, 11.4079, 13.0329



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.



31.8798, 16.2682, 9.0493



43.1475, 22.0230, 11.9745



30.8902, 16.6054, 1.5786



13.9093, 13.7813, 15.2925



18.7931, 9.5842, 5.5760



1.3444, 0.6810, 0.6064

Inverse Universe

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



31.8798, 16.2682, 9.0493



43.1475, 22.0230, 11.9745



32.4503, 43.5888, 76.5148



13.9093, 13.7813, 15.2925



18.7931, 9.5842, 5.5760



1.3444, 0.6810, 0.6064

Previews

White Background



This preview shows how the XYZ color 31.8794, 16.2672, 9.0491 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 31.8794, 16.2672, 9.0491 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 31.8794, 16.2672, 9.0491

Background



This preview shows how black text looks on a background with the XYZ color 31.8794, 16.2672, 9.0491.



This preview shows how white text looks on a background with the XYZ color 31.8794, 16.2672,

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

31.8794, 16.2672, 9.0491

Protanopia

16.2984, 16.9638, 19.2449

Deuteranopia

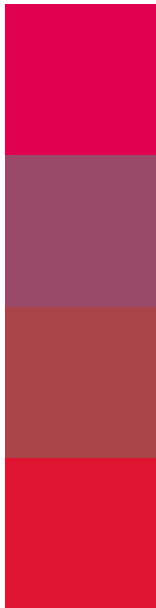
17.0554, 16.7827, 8.1348



Tritanopia

30.5571, 16.4939, 2.7355

Trichromacy



Original Color

31.8794, 16.2672, 9.0491

Protanomaly

18.2077, 12.6346, 14.5758

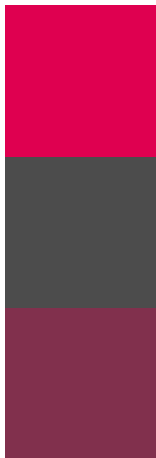
Deuteranomaly

19.7263, 13.1857, 7.9840

Tritanomaly

30.9079, 16.2433, 4.3026

Monochromacy



Original Color

31.8794, 16.2672, 9.0491

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

11.4498, 7.3169, 7.8300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8794, 16.2672, 9.0491 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, 0, 80)` looks like.

```
.text, #text, p{  
    color:rgb(223, 0, 80)  
}
```

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, 0, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 0, 80) }
```

Border

The CSS property to change the border of an element to XYZ 31.8794, 16.2672, 9.0491 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, 0, 80) }
```


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

```
.border{ border-color:rgb(223, 0, 80) }
```

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

Here you see how a box with a 4 pixel rgb(223, 0, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 0, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 0, 80);  
box-shadow:4px 4px 4px 4px rgb(223, 0, 80)  
}
```

Background

The CSS property to change the background color of an element to XYZ 31.8794, 16.2672, 9.0491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 0, 80) }
```

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

```
.background{ background-color: rgb(223, 0,  
80) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor