

Converting Colors

XYZ(31.8797, 15.9622, 22.8368)

Have a look what the booklet for
XYZ(31.8797, 15.9622, 22.8368)
contains.

XYZ(31.8283, 15.9348, 22.8709)	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(31.8283, 15.9348,
22.8709)**

Conversions

Conversions Part 1

Format	Color
Hex	D60083
RGB	214, 0, 131
RGB Percent	84%, 0%, 51%
CMY	0.1608, 0.9998, 0.4863
CMYK	0.00, 1.00, 0.39, 0.16
HSL	323°, 100%, 42%
HSV	323°, 100%, 84%
XYZ	31.8283, 15.9348, 22.8709
YIQ	78.9200, 85.4930, 86.1090

Conversions

Conversions Part 2

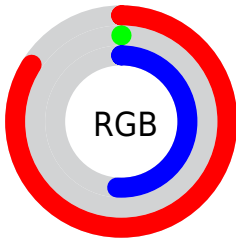
Format	Color
R_{YB}	214, 0, 131
Decimal	14024835
CIE _{Lab}	46.89, 76.14, -10.46
CIE _{LCh}	47, 76.855, 352.179
Yxy	15.9348, 0.4506, 0.2256
Android (android.graphics.Color)	4292214915 (0xFFD60083)
YUV	78.9200, 25.6754, 118.4652
Hunter-Lab	39.9184, 72.4668, -6.0268

Details

The XYZ color **31.8283, 15.9348, 22.8709** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **25.6099, 48.7186, 16.2454**, and the grayscale version is **7.3616, 7.7450, 8.4343**.

A 20% lighter version of the original color is **53.6328, 32.2029, 48.7364**, and **14.6599, 7.3815, 8.6348** is the 20% darker color. If you saturate the color by 10%, you get **31.8273, 15.9344, 22.8655**, and if you desaturate by 10%, it is **32.6902, 16.7217, 26.0465**.

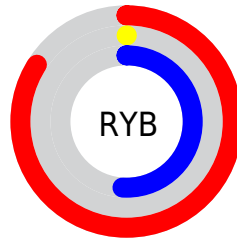
Distribution



Red (84%)

Green (0%)

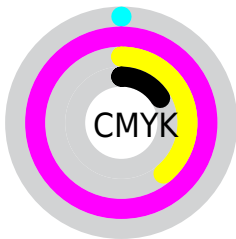
Blue (51%)



Red (84%)

Yellow (0%)

Blue (51%)

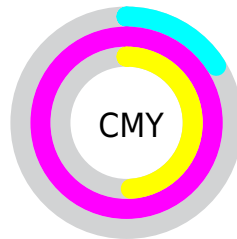


Cyan (0%)

Magenta (100%)

Yellow (39%)

Black (16%)



Cyan (16%)


Magenta (100%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8283, 15.9348, 22.8709 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 31.8283, 15.9348, 22.8709 by changing the saturation by 10% instead.


 31.8283, 15.9348,
22.8709

 31.8283, 15.9348,
22.8709

302.0956,
228.9567, 280.1616


 21.3853, 9.4780,
14.2938


 61.9088, 36.4850,
49.1018


 13.5200, 5.0543,
8.1842


 82.2771, 51.3472,
67.5926

 7.8670, 2.2791,
4.1236


 106.6844, 69.7800,
90.2251

 4.0611, 0.7626,
1.6934

 135.4963, 92.1677,
117.4179

 1.7367, 0.0000,
0.3562

 169.0780,
118.8949, 149.5893

 0.4791, 0.0000,
0.0000

 207.7948,

 0.0000, 0.0000,

150.3459, 187.1581

0.0000

252.0122,
186.9050, 230.5427

■ 31.8283, 15.9348,
22.8709

■ 31.8283, 15.9348,
22.8709

■ 31.8273, 15.9344,
22.8655

■ 32.6902, 16.7217,
26.0465

■ 33.9036, 18.1378,
29.5667

■ 35.5712, 20.3871,
33.4705

■ 37.7502, 23.5821,
37.7819

■ 40.4887, 27.8179,
42.5213

■ 43.8292, 33.1778,
47.7075

■ 47.8097, 39.7366,
53.3573

■ 52.4652, 47.5627,
59.4867

■ 57.8278, 56.7193,
66.1105

Harmonies

Analogous

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



27.7707, 15.9348, 51.2312



31.8283, 15.9348, 22.8709



30.4806, 15.9348, 6.8172

Triad

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



31.8283, 15.9348, 22.8709



10.7845, 15.9348, 0.6764



8.5399, 15.9348, 65.8563

Complementary

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



31.8283, 15.9348, 22.8709



25.6099, 48.7186, 16.2454

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.



6.0743, 15.9348, 35.3363



31.8283, 15.9348, 22.8709



7.0784, 15.9348, 3.1353

Square

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



31.8283, 15.9348, 22.8709



16.9672, 15.9348, 0.3288



5.6323, 15.9348, 12.7983



13.4592, 15.9348, 85.5745

Rectangle

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



31.8283, 15.9348, 22.8709



26.8382, 15.9348, 2.4975



5.6323, 15.9348, 12.7983



7.4644, 15.9348, 55.7821

Sweetspot

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



31.8288, 15.9357, 22.8712



70.8949, 58.7541, 79.0702



15.6227, 6.6523, 64.0790



14.6121, 11.6441, 16.1422



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.



31.8288, 15.9357, 22.8712



47.2475, 23.6630, 33.5652



27.9075, 14.3672, 2.2221



12.7394, 12.5473, 14.5680



19.2899, 9.6523, 14.0964



1.2035, 0.5982, 1.0609

Inverse Universe

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



31.8288, 15.9357, 22.8712



47.2475, 23.6630, 33.5652



33.2365, 51.7692, 56.4065



12.7394, 12.5473, 14.5680



19.2899, 9.6523, 14.0964



1.2035, 0.5982, 1.0609

Previews

White Background



This preview shows how the XYZ color 31.8283, 15.9348, 22.8709 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 31.8283, 15.9348, 22.8709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

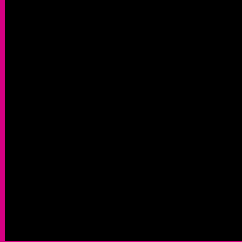
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.8283, 15.9348, 22.8709

Background



This preview shows how black text looks on a background with the XYZ color 31.8283, 15.9348, 22.8709.



This preview shows how white text looks on a background with the XYZ color 31.8283, 15.9348,

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

31.8283, 15.9348, 22.8709

Protanopia

18.2412, 16.7936, 49.8570

Deuteranopia

16.8345, 16.5501, 20.7196



Tritanopia

28.1651, 16.2683, 5.0238

Trichromacy



Original Color

31.8283, 15.9348, 22.8709



Protanomaly

18.4342, 12.0423, 37.9120



Deuteranomaly

19.2183, 12.7310, 20.8465



Tritanomaly

28.8930, 15.5307, 9.2595

Monochromacy



Original Color

31.8283, 15.9348, 22.8709



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.2473, 7.7522, 12.4061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8283, 15.9348, 22.8709 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(214, 0, 131)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 131)  
}
```

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(214, 0, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 131) }
```

Border

The CSS property to change the border of an element to XYZ 31.8283, 15.9348, 22.8709 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(214, 0, 131) }
```


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

```
.border{ border-color:rgb(214, 0, 131) }
```

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

Here you see how a box with a 4 pixel rgb(214, 0, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 131);  
box-shadow:4px 4px 4px 4px rgb(214, 0,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8283, 15.9348, 22.8709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 131) }
```

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

```
.background{ background-color: rgb(214, 0,  
131) }
```

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