

Converting Colors

XYZ(31.9811, 16.2670, 11.4270)

Have a look what the booklet for
XYZ(31.9811, 16.2670, 11.4270)
contains.

XYZ(32.0125, 16.2849, 11.3536)	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(32.0125, 16.2849,
11.3536)**

Conversions

Conversions Part 1

Format	Color
Hex	DE005B
RGB	222, 0, 91
RGB Percent	87%, 0%, 36%
CMY	0.1294, 0.9998, 0.6431
CMYK	0.00, 1.00, 0.59, 0.13
HSL	335°, 100%, 44%
HSV	335°, 100%, 87%
XYZ	32.0125, 16.2849, 11.3536
YIQ	76.7520, 103.1010, 75.3650

Conversions

Conversions Part 2

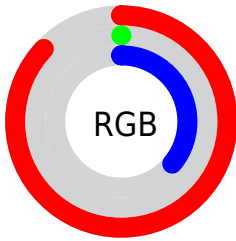
Format	Color
RYB	222, 0, 91
Decimal	14549083
CIELab	47.35, 74.84, 15.08
CIElCh	47, 76.342, 11.394
Yxy	16.2849, 0.5367, 0.2730
Android (android.graphics.Color)	4292739163 (0xFFDE005B)
YUV	76.7520, 7.0243, 127.3825
Hunter-Lab	40.3546, 70.9802, 11.5672

Details

The XYZ color **32.0125, 16.2849, 11.3536** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed red. A complement of this color would be **30.2217, 53.8826, 30.2972**, and the grayscale version is **6.9870, 7.3508, 8.0051**.

A 20% lighter version of the original color is **49.7888, 30.6653, 28.4941**, and **14.7912, 7.5682, 3.2660** is the 20% darker color. If you saturate the color by 10%, you get **32.0111, 16.2843, 11.3471**, and if you desaturate by 10%, it is **32.9196, 17.1145, 14.6925**.

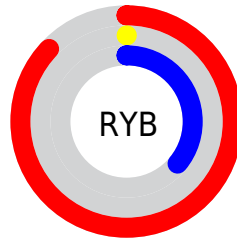
Distribution



Red (87%)

Green (0%)

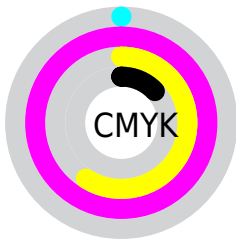
Blue (36%)



Red (87%)

Yellow (0%)

Blue (36%)

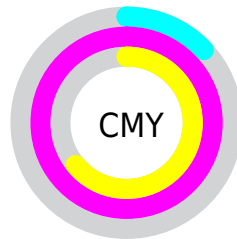


Cyan (0%)

Magenta (100%)

Yellow (59%)

Black (13%)



Cyan (13%)

Magenta (100%)


Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0125, 16.2849, 11.3536 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 32.0125, 16.2849, 11.3536 by changing the saturation by 10% instead.

 32.0125, 16.2849,
11.3536


 32.0125, 16.2849,
11.3536

302.9205,
231.0170, 210.9014


 21.5266, 9.7260,
6.1880


 62.1957, 37.0921,
28.9588


 13.6241, 5.2177,
2.8891


 82.6238, 52.1092,
42.2355


 7.9397, 2.3755,
1.0383


 107.0967, 70.7144,
59.0530

 4.1078, 0.8133,
0.0000

 135.9798, 93.2922,
79.8298

 1.7633, 0.0000,
0.0000

 169.6383,
120.2270, 104.9846

 0.4954, 0.0000,
0.0000

 208.4377,

 0.0000, 0.0000,

151.9031, 134.9357

0.0000

252.7433,
188.7050, 170.1018

■ 32.0125, 16.2849,
11.3536

■ 32.0125, 16.2849,
11.3536

■ 32.0111, 16.2843,
11.3471

■ 32.9196, 17.1145,
14.6925

■ 34.2645, 18.6537,
18.6877

■ 36.1604, 21.1222,
23.3990

■ 38.6730, 24.6447,
28.8690

■ 41.8582, 29.3267,
35.1357

■ 45.7651, 35.2605,
42.2344

■ 50.4382, 42.5289,
50.1975

■ 55.9181, 51.2079,
59.0557

■ 62.2426, 61.3675,
68.8378

Harmonies

Analogous

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



31.3312, 16.2849, 32.4373



32.0125, 16.2849, 11.3536



27.4036, 16.2849, 2.7582

Triad

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



32.0125, 16.2849, 11.3536



8.3828, 16.2849, 1.9079



11.6945, 16.2849, 81.4698

Complementary

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



32.0125, 16.2849, 11.3536



30.2217, 53.8826, 30.2972

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.



7.6387, 16.2849, 55.4321



32.0125, 16.2849, 11.3536



6.1463, 16.2849, 8.3172

Square

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



32.0125, 16.2849, 11.3536



13.0525, 16.2849, 0.4750



5.9208, 16.2849, 26.1380



18.1874, 16.2849, 84.8615

Rectangle

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



32.0125, 16.2849, 11.3536



22.5636, 16.2849, 1.0224



5.9208, 16.2849, 26.1380



10.0572, 16.2849, 74.5052

Sweetspot

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



32.0129, 16.2859, 11.3538



68.8740, 57.9457, 68.4284



22.3177, 9.9829, 69.8575



14.1344, 11.4530, 13.6263



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.



32.0129, 16.2859, 11.3538



43.7639, 22.2696, 15.2207



30.3495, 15.9801, 1.4863



13.9389, 13.7932, 15.4485



19.0662, 9.6935, 7.0144



1.3652, 0.6894, 0.7161

Inverse Universe

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



32.0129, 16.2859, 11.3538



43.7639, 22.2696, 15.2207



34.6604, 48.2243, 76.5883



13.9389, 13.7932, 15.4485



19.0662, 9.6935, 7.0144



1.3652, 0.6894, 0.7161

Previews

White Background



This preview shows how the XYZ color 32.0125, 16.2849, 11.3536 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 32.0125, 16.2849, 11.3536 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 32.0125, 16.2849, 11.3536

Background



This preview shows how black text looks on a background with the XYZ color 32.0125, 16.2849, 11.3536.

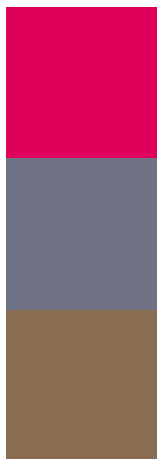


This preview shows how white text looks on a background with the XYZ color 32.0125, 16.2849,

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

32.0125, 16.2849, 11.3536

Protanopia

16.6943, 16.8832, 24.5692

Deuteranopia

17.1450, 16.7807, 10.3180



Tritanopia

30.4494, 16.5987, 3.1891

Trichromacy



Original Color

32.0125, 16.2849, 11.3536



Protanomaly

18.3499, 12.5220, 18.5894



Deuteranomaly

19.7042, 13.1276, 10.0897



Tritanomaly

30.8148, 16.2608, 5.1290

Monochromacy



Original Color

32.0125, 16.2849, 11.3536



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

11.8272, 7.5516, 8.8169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0125, 16.2849, 11.3536 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(222, 0, 91)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 91)  
}
```

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(222, 0, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 91) }
```

Border

The CSS property to change the border of an element to XYZ 32.0125, 16.2849, 11.3536 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(222, 0, 91) }
```


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

```
.border{ border-color:rgb(222, 0, 91) }
```

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

Here you see how a box with a 4 pixel rgb(222, 0, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 91);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 91)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.0125, 16.2849, 11.3536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 91) }
```

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

```
.background{ background-color: rgb(222, 0,  
91) }
```

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