

Converting Colors

XYZ(32.3024, 16.3956, 13.1199)

Have a look what the booklet for
XYZ(32.3024, 16.3956, 13.1199)
contains.

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Color

**XYZ(32.3288, 16.4114,
13.0191)**

Conversions

Conversions Part 1

Format	Color
Hex	DE0062
RGB	222, 0, 98
RGB Percent	87%, 0%, 38%
CMY	0.1294, 0.9998, 0.6157
CMYK	0.00, 1.00, 0.56, 0.13
HSL	334°, 100%, 44%
HSV	334°, 100%, 87%
XYZ	32.3288, 16.4114, 13.0191
YIQ	77.5500, 100.8540, 77.5420

Conversions

Conversions Part 2

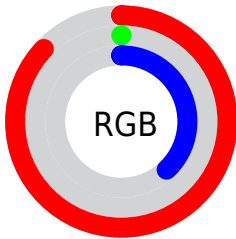
Format	Color
R_{YB}	222, 0, 98
Decimal	14549090
CIE _{Lab}	47.51, 75.27, 10.97
CIE _{LCh}	48, 76.069, 8.291
Yxy	16.4114, 0.5235, 0.2657
Android (android.graphics.Color)	4292739170 (0xFFDE0062)
YUV	77.5500, 10.0819, 126.6826
Hunter-Lab	40.5110, 71.5533, 9.3035

Details

The XYZ color **32.3288, 16.4114, 13.0191** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **29.7628, 53.6990, 27.8804**, and the grayscale version is **7.1300, 7.5014, 8.1690**.

A 20% lighter version of the original color is **50.3264, 30.8803, 31.3250**, and **14.9179, 7.6189, 3.9331** is the 20% darker color. If you saturate the color by 10%, you get **32.3275, 16.4109, 13.0127**, and if you desaturate by 10%, it is **33.2522, 17.2474, 16.4436**.

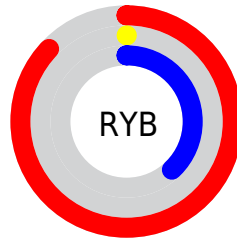
Distribution



Red (87%)

Green (0%)

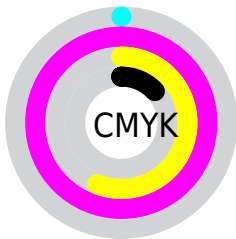
Blue (38%)



Red (87%)

Yellow (0%)

Blue (38%)

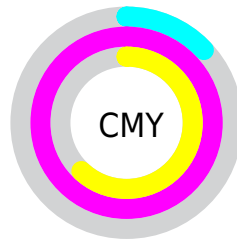


Cyan (0%)

Magenta (100%)

Yellow (56%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3288, 16.4114, 13.0191 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 32.3288, 16.4114, 13.0191 by changing the saturation by 10% instead.


 32.3288, 16.4114,
13.0191


 32.3288, 16.4114,
13.0191


304.3331,
231.7572, 222.2522


 21.7695, 9.8157,
7.3108


 62.6879, 37.3110,
32.0298


 13.8033, 5.2770,
3.5759


 83.2185, 52.3836,
46.1693


 8.0648, 2.4107,
1.3957


 107.8035, 71.0508,
63.9562

 4.1886, 0.8314,
0.1383

 136.8083, 93.6968,
85.8092

 1.8094, 0.0000,
0.0000

 170.5984,
120.7060, 112.1468

 0.5233, 0.0000,
0.0000

 209.5389,

 0.0000, 0.0000,

152.4629, 143.3874

0.0000

253.9954,
189.3518, 179.9497

■ 32.3288, 16.4114,
13.0191

■ 32.3288, 16.4114,
13.0191

■ 32.3275, 16.4109,
13.0127

■ 33.2522, 17.2474,
16.4436

■ 34.6045, 18.7896,
20.4780

■ 36.4981, 21.2571,
25.1779

■ 38.9982, 24.7746,
30.5822

■ 42.1599, 29.4471,
36.7255

■ 46.0318, 35.3668,
43.6397

■ 50.6577, 42.6163,
51.3542

■ 56.0776, 51.2712,
59.8967

■ 62.3288, 61.4014,
69.2935

Harmonies

Analogous

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



31.0672, 16.4114, 35.4876



32.3288, 16.4114, 13.0191



28.1925, 16.4114, 3.3010

Triad

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



32.3288, 16.4114, 13.0191



8.8487, 16.4114, 1.6804



11.2660, 16.4114, 79.6052

Complementary

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



32.3288, 16.4114, 13.0191



29.7628, 53.6990, 27.8804

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.



7.4565, 16.4114, 52.3052



32.3288, 16.4114, 13.0191



6.3679, 16.4114, 7.3305

Square

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



32.3288, 16.4114, 13.0191



13.7976, 16.4114, 0.4642



5.9449, 16.4114, 23.7952



17.5498, 16.4114, 85.8598

Rectangle

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



32.3288, 16.4114, 13.0191



23.4802, 16.4114, 1.2226



5.9449, 16.4114, 23.7952



9.7134, 16.4114, 71.9641

Sweetspot

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



32.3292, 16.4124, 13.0193



69.1767, 58.0668, 70.0224



21.2284, 9.4213, 69.8066



14.2055, 11.4814, 14.0006



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.



32.3292, 16.4124, 13.0193



44.1947, 22.4419, 17.4892



30.2457, 15.7723, 1.4516



13.9573, 13.8005, 15.5452



19.2559, 9.7693, 8.0131



1.3792, 0.6949, 0.7896

Inverse Universe

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



32.3292, 16.4124, 13.0193



44.1947, 22.4419, 17.4892



36.4553, 51.8140, 77.1867



13.9573, 13.8005, 15.5452



19.2559, 9.7693, 8.0131



1.3792, 0.6949, 0.7896

Previews

White Background



This preview shows how the XYZ color 32.3288, 16.4114, 13.0191 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 32.3288, 16.4114, 13.0191 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 32.3288, 16.4114, 13.0191

Background



This preview shows how black text looks on a background with the XYZ color 32.3288, 16.4114, 13.0191.



This preview shows how white text looks on a background with the XYZ color 32.3288, 16.4114,

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

32.3288, 16.4114, 13.0191

Protanopia

17.0841, 17.1758, 28.0060

Deuteranopia

17.2106, 16.9415, 11.8141



Tritanopia

30.5906, 16.8066, 3.4654

Trichromacy



Original Color

32.3288, 16.4114, 13.0191



Protanomaly

18.5429, 12.6610, 21.2052



Deuteranomaly

19.8478, 13.2600, 11.6386



Tritanomaly

30.9820, 16.3937, 5.8063

Monochromacy



Original Color

32.3288, 16.4114, 13.0191



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

11.9862, 7.6829, 9.4455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3288, 16.4114, 13.0191 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, 98)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 98)  
}
```

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, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 98) }
```

Border

The CSS property to change the border of an element to XYZ 32.3288, 16.4114, 13.0191 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, 98) }
```


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

```
.border{ border-color:rgb(222, 0, 98) }
```

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, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 98);  
box-shadow:4px 4px 4px 4px rgb(222, 0, 98)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.3288, 16.4114, 13.0191 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, 98) }
```

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

```
.background{ background-color: rgb(222, 0,  
98) }
```

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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