

Converting Colors

XYZ(32.6781, 16.2060, 14.1466)

Have a look what the booklet for
XYZ(32.6781, 16.2060, 14.1466)
contains.

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Color

**XYZ(32.8796, 16.6672,
14.3161)**

Conversions

Conversions Part 1

Format	Color
Hex	DF0067
RGB	223, 0, 103
RGB Percent	87%, 0%, 40%
CMY	0.1255, 0.9998, 0.5961
CMYK	0.00, 1.00, 0.54, 0.13
HSL	332°, 100%, 44%
HSV	332°, 100%, 87%
XYZ	32.8796, 16.6672, 14.3161
YIQ	78.4190, 99.8450, 79.3090

Conversions

Conversions Part 2

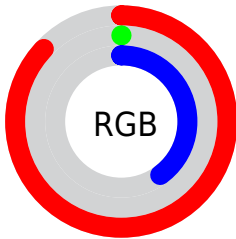
Format	Color
R_{YB}	223, 0, 103
Decimal	14614631
CIE _{Lab}	47.84, 75.83, 8.37
CIE _{LCh}	48, 76.290, 6.296
Yxy	16.6672, 0.5148, 0.2610
Android (android.graphics.Color)	4292804711 (0xFFDF0067)
YUV	78.4190, 12.1184, 126.7975
Hunter-Lab	40.8255, 72.3139, 7.7869

Details

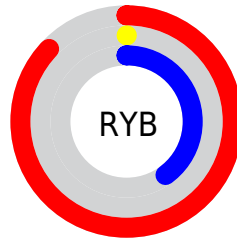
The XYZ color **32.8796, 16.6672, 14.3161** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **29.7811, 54.1327, 26.6629**, and the grayscale version is **7.2901, 7.6698, 8.3524**.

A 20% lighter version of the original color is **50.8999, 31.2474, 33.9205**, and **15.2357, 7.7690, 4.5674** is the 20% darker color. If you saturate the color by 10%, you get **32.8783, 16.6667, 14.3096**, and if you desaturate by 10%, it is **33.8196, 17.5129, 17.8183**.

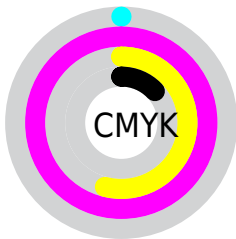
Distribution



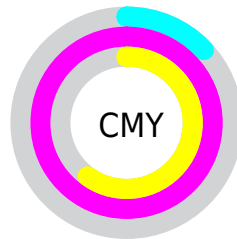
- Red (87%)
- Green (0%)
- Blue (40%)



- Red (87%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (54%)
- Black (13%)





- Cyan (13%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8796, 16.6672, 14.3161 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 32.8796, 16.6672, 14.3161 by changing the saturation by 10% instead.


 32.8796, 16.6672,
14.3161


 32.8796, 16.6672,
14.3161


306.7814,
233.2472, 230.6849


 22.1930, 9.9975,
8.1996


 63.5434, 37.7527,
34.3740


 14.1162, 5.3973,
4.1333


 84.2514, 52.9373,
49.1525


 8.2838, 2.4822,
1.6988


 109.0306, 71.7289,
67.6554


 4.3304, 0.8677,
0.3599

 138.2463, 94.5120,
90.3013

 1.8907, 0.0000,
0.0000

 172.2638,
121.6710, 117.5086

 0.5714, 0.0000,
0.0000

 211.4487,

 0.0000, 0.0000,

153.5903, 149.6960

0.0000

256.1661,
190.6542, 187.2819

■ 32.8796, 16.6672,
14.3161

■ 32.8796, 16.6672,
14.3161

■ 32.8783, 16.6667,
14.3096

■ 33.8196, 17.5129,
17.8183

■ 35.1874, 19.0703,
21.9068

■ 37.0960, 21.5602,
26.6353

■ 39.6110, 25.1084,
32.0411

■ 42.7875, 29.8212,
38.1571

■ 46.6745, 35.7914,
45.0135

■ 51.3158, 43.1025,
52.6384

■ 56.7517, 51.8310,
61.0581

■ 63.0195, 62.0472,
70.2974

Harmonies

Analogous

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



31.2285, 16.6672, 37.9384



32.8796, 16.6672, 14.3161



29.0115, 16.6672, 3.7214

Triad

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



32.8796, 16.6672, 14.3161



9.2519, 16.6672, 1.5602



11.1130, 16.6672, 79.2690

Complementary

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



32.8796, 16.6672, 14.3161



29.7811, 54.1327, 26.6629

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.



7.4181, 16.6672, 50.9051



32.8796, 16.6672, 14.3161



6.5805, 16.6672, 6.8117

Square

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



32.8796, 16.6672, 14.3161



14.4402, 16.6672, 0.4649



6.0224, 16.6672, 22.6085



17.3310, 16.6672, 87.4334

Rectangle

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



32.8796, 16.6672, 14.3161



24.3360, 16.6672, 1.3772



6.0224, 16.6672, 22.6085



9.5972, 16.6672, 71.1232

Sweetspot

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



32.8800, 16.6682, 14.3163



69.3754, 58.1463, 71.0685



20.9213, 9.2474, 70.4941



14.2522, 11.5001, 14.2468



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.



32.8800, 16.6682, 14.3163



44.4953, 22.5621, 19.0722



30.5128, 15.8504, 1.4526



13.9692, 13.8053, 15.6081



19.3878, 9.8221, 8.7076



1.3887, 0.6988, 0.8397

Inverse Universe

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



32.8800, 16.6682, 14.3163



44.4953, 22.5621, 19.0722



37.7651, 54.2186, 78.2866



13.9692, 13.8053, 15.6081



19.3878, 9.8221, 8.7076



1.3887, 0.6988, 0.8397

Previews

White Background



This preview shows how the XYZ color 32.8796, 16.6672, 14.3161 looks on a white background.

Color Contrast Check

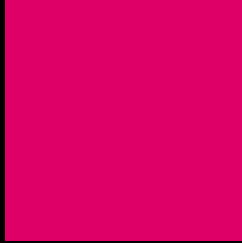
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.8796, 16.6672, 14.3161 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 32.8796, 16.6672, 14.3161

Background



This preview shows how black text looks on a background with the XYZ color 32.8796, 16.6672, 14.3161.



This preview shows how white text looks on a background with the XYZ color 32.8796, 16.6672,

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

32.8796, 16.6672, 14.3161

Protanopia

17.3860, 17.2687, 30.8506

Deuteranopia

17.5363, 17.2454, 12.9941



Tritanopia

30.6911, 16.9547, 3.6625

Trichromacy



Original Color

32.8796, 16.6672, 14.3161



Protanomaly

18.9418, 12.8206, 23.3061



Deuteranomaly

20.1368, 13.4765, 12.8492



Tritanomaly

31.0854, 16.4698, 6.2432

Monochromacy



Original Color

32.8796, 16.6672, 14.3161



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

12.2210, 7.7946, 9.8772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8796, 16.6672, 14.3161 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(223, 0, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 0, 103) }
```

Border

The CSS property to change the border of an element to XYZ 32.8796, 16.6672, 14.3161 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, 103) }
```


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

```
.border{ border-color:rgb(223, 0, 103) }
```

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, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 0, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 0, 103);  
box-shadow:4px 4px 4px 4px rgb(223, 0,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8796, 16.6672, 14.3161 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, 103) }
```

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

```
.background{ background-color: rgb(223, 0,  
103) }
```

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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