

Converting Colors

XYZ(32.9837, 16.7589, 12.6036)

Have a look what the booklet for
XYZ(32.9837, 16.7589, 12.6036)
contains.

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Color

**XYZ(32.8518, 16.6918,
12.5567)**

Conversions

Conversions Part 1

Format	Color
Hex	E00060
RGB	224, 0, 96
RGB Percent	88%, 0%, 38%
CMY	0.1216, 0.9998, 0.6235
CMYK	0.00, 1.00, 0.57, 0.12
HSL	334°, 100%, 44%
HSV	334°, 100%, 88%
XYZ	32.8518, 16.6918, 12.5567
YIQ	77.9200, 102.6880, 77.3440

Conversions

Conversions Part 2

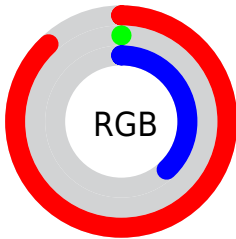
Format	Color
R_{YB}	224, 0, 96
Decimal	14680160
CIE Lab	47.87, 75.60, 12.77
CIE LCh	48, 76.667, 9.588
Yxy	16.6918, 0.5290, 0.2688
Android (android.graphics.Color)	4292870240 (0xFFE00060)
YUV	77.9200, 8.9134, 128.1122
Hunter-Lab	40.8556, 72.0337, 10.3765

Details

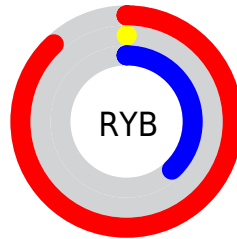
The XYZ color **32.8518, 16.6918, 12.5567** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **30.5556, 54.8712, 29.4193**, and the grayscale version is **7.2016, 7.5766, 8.2509**.

A 20% lighter version of the original color is **50.2555, 30.9896, 30.5270**, and **15.2955, 7.8161, 3.8345** is the 20% darker color. If you saturate the color by 10%, you get **32.8504, 16.6913, 12.5500**, and if you desaturate by 10%, it is **33.7856, 17.5382, 16.0170**.

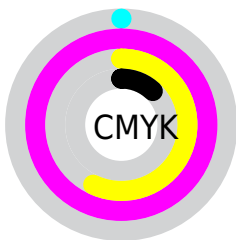
Distribution



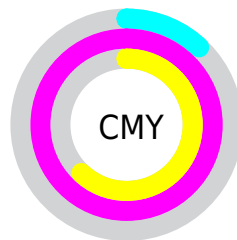
- Red (88%)
- Green (0%)
- Blue (38%)



- Red (88%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (12%)





- Cyan (12%)
- Magenta (100%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8518, 16.6918, 12.5567 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 32.8518, 16.6918, 12.5567 by changing the saturation by 10% instead.


 32.8518, 16.6918,
12.5567


 32.8518, 16.6918,
12.5567


306.6582,
233.3900, 219.1639


 22.1716, 10.0150,
6.9969


 63.5003, 37.7951,
31.1845


 14.1004, 5.4089,
3.3817


 84.1994, 52.9904,
45.0895


 8.2727, 2.4891,
1.2927


 108.9688, 71.7940,
62.6134


 4.3232, 0.8712,
0.0558

 138.1738, 94.5902,
84.1746

 1.8866, 0.0000,
0.0000

 172.1800,
121.7636, 110.1917

 0.5690, 0.0000,
0.0000

 211.3525,

 0.0000, 0.0000,

153.6984, 141.0833

0.0000

256.0568,
190.7791, 177.2678

■ 32.8518, 16.6918,
12.5567

■ 32.8518, 16.6918,
12.5567

■ 32.8504, 16.6913,
12.5500

■ 33.7856, 17.5382,
16.0170

■ 35.1614, 19.1078,
20.1195

■ 37.0939, 21.6238,
24.9226

■ 39.6500, 25.2136,
30.4676

■ 42.8862, 29.9848,
36.7913

■ 46.8526, 36.0316,
43.9276

■ 51.5942, 43.4389,
51.9077

■ 57.1520, 52.2837,
60.7611

■ 63.5645, 62.6378,
70.5159

Harmonies

Analogous

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



31.8117, 16.6918, 34.8888



32.8518, 16.6918, 12.5567



28.4287, 16.6918, 3.1294

Triad

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



32.8518, 16.6918, 12.5567



8.8287, 16.6918, 1.8093



11.6767, 16.6918, 82.0138

Complementary

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



32.8518, 16.6918, 12.5567



30.5556, 54.8712, 29.4193

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.



7.6858, 16.6918, 54.6850



32.8518, 16.6918, 12.5567



6.4029, 16.6918, 7.8897

Square

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



32.8518, 16.6918, 12.5567



13.7582, 16.6918, 0.4850



6.0559, 16.6918, 25.2588



18.1767, 16.6918, 87.1795

Rectangle

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



32.8518, 16.6918, 12.5567



23.5651, 16.6918, 1.1595



6.0559, 16.6918, 25.2588



10.0568, 16.6918, 74.5016

Sweetspot

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



32.8522, 16.6928, 12.5569



69.0526, 58.0172, 69.3688



22.2006, 9.8914, 71.2599



14.1763, 11.4698, 13.8470



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.



32.8522, 16.6928, 12.5569



44.0141, 22.3696, 16.5380



30.9111, 16.1884, 1.4969



13.9498, 13.7975, 15.5057



19.1764, 9.7376, 7.5949



1.3734, 0.6926, 0.7591

Inverse Universe

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



32.8522, 16.6928, 12.5569



44.0141, 22.3696, 16.5380



36.2726, 51.0172, 78.4563



13.9498, 13.7975, 15.5057



19.1764, 9.7376, 7.5949



1.3734, 0.6926, 0.7591

Previews

White Background



This preview shows how the XYZ color 32.8518, 16.6918, 12.5567 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 32.8518, 16.6918, 12.5567 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 32.8518, 16.6918, 12.5567

Background



This preview shows how black text looks on a background with the XYZ color 32.8518, 16.6918, 12.5567.



This preview shows how white text looks on a background with the XYZ color 32.8518, 16.6918,

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

32.8518, 16.6918, 12.5567

Protanopia

17.1813, 17.2431, 27.2336

Deuteranopia

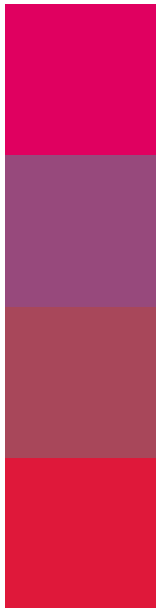
17.5581, 17.2912, 11.4290



Tritanopia

31.1512, 17.0494, 3.3993

Trichromacy



Original Color

32.8518, 16.6918, 12.5567

Protanomaly

18.7831, 12.7996, 20.5494

Deuteranomaly

20.2472, 13.5695, 11.2249

Tritanomaly

31.5218, 16.6467, 5.5547

Monochromacy



Original Color

32.8518, 16.6918, 12.5567

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

12.1404, 7.7624, 9.4527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8518, 16.6918, 12.5567 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(224, 0, 96)` looks like.

```
.text, #text, p{  
  color:rgb(224, 0, 96)  
}
```

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(224, 0, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 96) }
```

Border

The CSS property to change the border of an element to XYZ 32.8518, 16.6918, 12.5567 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(224, 0, 96) }
```


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

```
.border{ border-color:rgb(224, 0, 96) }
```

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

Here you see how a box with a 4 pixel rgb(224, 0, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 96);  
box-shadow:4px 4px 4px 4px rgb(224, 0, 96)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.8518, 16.6918, 12.5567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 96) }
```

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

```
.background{ background-color: rgb(224, 0,  
96) }
```

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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