

Converting Colors

XYZ(32.7052, 16.7408, 6.9241)

Have a look what the booklet for
XYZ(32.7052, 16.7408, 6.9241)
contains.

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Color

**XYZ(32.7219, 16.7482,
6.9769)**

Conversions

Conversions Part 1

Format	Color
Hex	E30044
RGB	227, 0, 68
RGB Percent	89%, 0%, 27%
CMY	0.1098, 0.9998, 0.7333
CMYK	0.00, 1.00, 0.70, 0.11
HSL	342°, 100%, 45%
HSV	342°, 100%, 89%
XYZ	32.7219, 16.7482, 6.9769
YIQ	75.6250, 113.4640, 69.2720

Conversions

Conversions Part 2

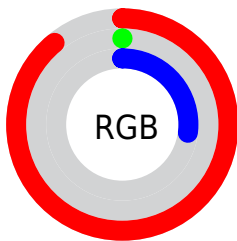
Format	Color
R_{YB}	227, 0, 68
Decimal	14876740
CIE _{Lab}	47.94, 74.82, 30.21
CIE _{LCh}	48, 80.692, 21.987
Yxy	16.7482, 0.5797, 0.2967
Android (android.graphics.Color)	4293066820 (0xFFE30044)
YUV	75.6250, -3.7591, 132.7559
Hunter-Lab	40.9246, 71.1046, 18.5393

Details

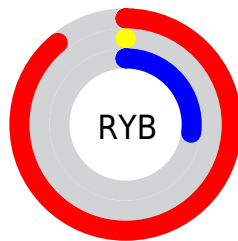
The XYZ color **32.7219, 16.7482, 6.9769** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **33.7320, 57.4431, 42.1338**, and the grayscale version is **6.7983, 7.1523, 7.7889**.

A 20% lighter version of the original color is **48.2195, 30.1752, 19.8060**, and **15.2907, 7.8611, 1.6887** is the 20% darker color. If you saturate the color by 10%, you get **32.7206, 16.7477, 6.9711**, and if you desaturate by 10%, it is **33.5763, 17.5723, 9.9899**.

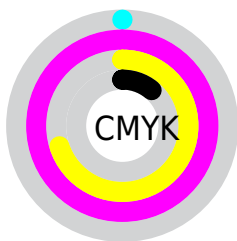
Distribution



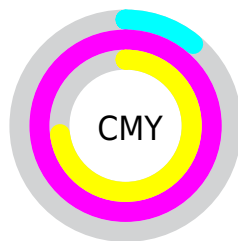
- Red (89%)
- Green (0%)
- Blue (27%)



- Red (89%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (70%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7219, 16.7482, 6.9769 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 32.7219, 16.7482, 6.9769 by changing the saturation by 10% instead.

 32.7219, 16.7482,
6.9769


 32.7219, 16.7482,
6.9769


306.0819,
233.7171, 177.0953


 22.0717, 10.0551,
3.3694


 63.2987, 37.8923,
20.4388


 14.0265, 5.4355,
1.2862


 83.9560, 53.1122,
31.1303


 8.2209, 2.5050,
0.0505

 108.6797, 71.9431,
45.0203

 4.2896, 0.8791,
0.0000

 137.8352, 94.7694,
62.5272

 1.8673, 0.0000,
0.0000

 171.7878,
121.9756, 84.0696

 0.5577, 0.0000,
0.0000

 210.9029,

 0.0000, 0.0000,

153.9460, 110.0660

0.0000

255.5458,
191.0651, 140.9351

■ 32.7219, 16.7482,
6.9769

■ 32.7219, 16.7482,
6.9769

■ 32.7206, 16.7477,
6.9711

■ 33.5763, 17.5723,
9.9899

■ 34.9250, 19.1586,
13.8649

■ 36.8902, 21.7376,
18.6863

■ 39.5452, 25.4430,
24.5184

■ 42.9523, 30.3873,
31.4188

■ 47.1666, 36.6694,
39.4405

■ 52.2376, 44.3781,
48.6329

■ 58.2111, 53.5944,
59.0419

■ 65.1291, 64.3933,
70.7112

Harmonies

Analogous

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



34.1660, 16.7482, 24.4064



32.7219, 16.7482, 6.9769



26.1750, 16.7482, 1.3833

Triad

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



32.7219, 16.7482, 6.9769



7.2484, 16.7482, 3.0215



14.0482, 16.7482, 93.5716

Complementary

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



32.7219, 16.7482, 6.9769



33.7320, 57.4431, 42.1338

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.



8.7673, 16.7482, 71.4760



32.7219, 16.7482, 6.9769



5.6994, 16.7482, 13.2044

Square

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



32.7219, 16.7482, 6.9769



11.2367, 16.7482, 0.5477



6.1550, 16.7482, 37.7120



21.7483, 16.7482, 86.2688

Rectangle

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



32.7219, 16.7482, 6.9769



20.6455, 16.7482, 0.4139



6.1550, 16.7482, 37.7120



11.9747, 16.7482, 88.9735

Sweetspot

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



32.7223, 16.7493, 6.9771



67.8503, 57.5362, 63.0375



28.1468, 12.9094, 73.6808



13.8954, 11.3574, 12.3681



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.



32.7223, 16.7493, 6.9771



42.5566, 21.7866, 8.8632



32.6339, 18.2415, 1.8024



14.5537, 14.4387, 15.8501



19.1279, 9.7854, 4.3025



1.4534, 0.7391, 0.5281

Inverse Universe

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



32.7223, 16.7493, 6.9771



42.5566, 21.7866, 8.8632



30.5138, 38.8426, 78.5617



14.5537, 14.4387, 15.8501



19.1279, 9.7854, 4.3025



1.4534, 0.7391, 0.5281

Previews

White Background



This preview shows how the XYZ color 32.7219, 16.7482, 6.9769 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 32.7219, 16.7482, 6.9769 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 32.7219, 16.7482, 6.9769

Background



This preview shows how black text looks on a background with the XYZ color 32.7219, 16.7482, 6.9769.

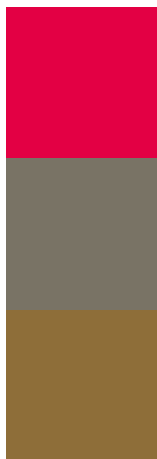


This preview shows how white text looks on a background with the XYZ color 32.7219, 16.7482,

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

32.7219, 16.7482, 6.9769

Protanopia

16.3649, 17.2660, 14.7821

Deuteranopia

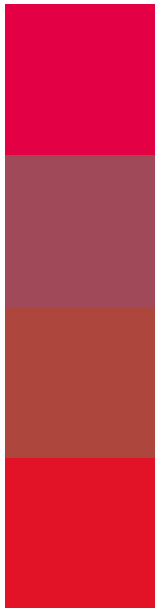
17.4698, 17.1981, 6.2697



Tritanopia

31.9241, 17.0572, 2.3688

Trichromacy



Original Color

32.7219, 16.7482, 6.9769

Protanomaly

18.6829, 12.9599, 10.9680

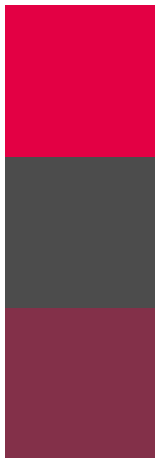
Deuteranomaly

20.2660, 13.6015, 5.9721

Tritanomaly

31.9465, 16.7478, 3.4683

Monochromacy



Original Color

32.7219, 16.7482, 6.9769

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

11.6196, 7.4202, 7.1232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7219, 16.7482, 6.9769 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(227, 0, 68)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 68)  
}
```

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(227, 0, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 68) }
```

Border

The CSS property to change the border of an element to XYZ 32.7219, 16.7482, 6.9769 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(227, 0, 68) }
```


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

```
.border{ border-color:rgb(227, 0, 68) }
```

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

Here you see how a box with a 4 pixel rgb(227, 0, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 68);  
box-shadow:4px 4px 4px 4px rgb(227, 0, 68)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.7219, 16.7482, 6.9769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 68) }
```

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

```
.background{ background-color: rgb(227, 0,  
68) }
```

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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