

Converting Colors

XYZ(33.2164, 16.9442, 9.6628)

Have a look what the booklet for
XYZ(33.2164, 16.9442, 9.6628)
contains.

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Color

**XYZ(33.2399, 16.9554,
9.7044)**

Conversions

Conversions Part 1

Format	Color
Hex	E30053
RGB	227, 0, 83
RGB Percent	89%, 0%, 33%
CMY	0.1098, 0.9998, 0.6745
CMYK	0.00, 1.00, 0.63, 0.11
HSL	338°, 100%, 45%
HSV	338°, 100%, 89%
XYZ	33.2399, 16.9554, 9.7044
YIQ	77.3350, 108.6490, 73.9370

Conversions

Conversions Part 2

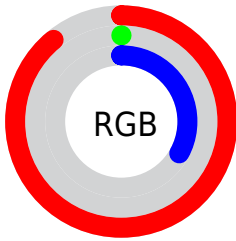
Format	Color
R _Y B	227, 0, 83
Decimal	14876755
CIE Lab	48.20, 75.53, 21.36
CIE LCh	48, 78.493, 15.790
Yxy	16.9554, 0.5549, 0.2831
Android (android.graphics.Color)	4293066835 (0xFFE30053)
YUV	77.3350, 2.7928, 131.2562
Hunter-Lab	41.1769, 72.0337, 14.8506

Details

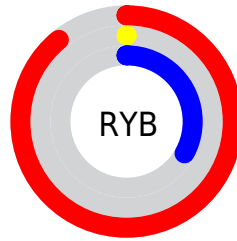
The XYZ color **33.2399, 16.9554, 9.7044** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **32.5074, 56.9534, 35.6853**, and the grayscale version is **7.1024, 7.4723, 8.1373**.

A 20% lighter version of the original color is **49.2320, 30.5802, 25.1376**, and **15.4705, 7.9330, 2.6353** is the 20% darker color. If you saturate the color by 10%, you get **33.2385, 16.9549, 9.6979**, and if you desaturate by 10%, it is **34.1564, 17.8044, 13.0445**.

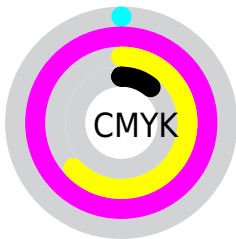
Distribution



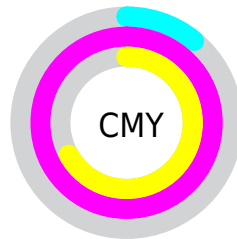
- Red (89%)
- Green (0%)
- Blue (33%)



- Red (89%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2399, 16.9554, 9.7044 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 33.2399, 16.9554, 9.7044 by changing the saturation by 10% instead.


 33.2399, 16.9554,
9.7044


 33.2399, 16.9554,
9.7044


308.3753,
234.9152, 198.9567


 22.4704, 10.2027,
5.1004


 64.1021, 38.2491,
25.8371


 14.3215, 5.5336,
2.2465


 84.9254, 53.5588,
38.2028

 8.4278, 2.5636,
0.7010


 109.8308, 72.4897,
53.9928

 4.4240, 0.9084,
0.0000

 139.1836, 95.4262,
73.6257

 1.9447, 0.0000,
0.0000

 173.3490,
122.7526, 97.5200

 0.6026, 0.0000,
0.0000

 212.6926,

 0.0000, 0.0000,

154.8533, 126.0942

0.0000

257.5795,
192.1127, 159.7669

■ 33.2399, 16.9554,
9.7044

■ 33.2399, 16.9554,
9.7044

■ 33.2385, 16.9549,
9.6979

■ 34.1564, 17.8044,
13.0445

■ 35.5479, 19.4077,
17.1453

■ 37.5341, 21.9951,
22.0769

■ 40.1857, 25.6990,
27.8909

■ 43.5629, 30.6313,
34.6338

■ 47.7187, 36.8900,
42.3482

■ 52.7011, 44.5632,
51.0737

■ 58.5539, 53.7312,
60.8475

■ 65.3177, 64.4684,
71.7049

Harmonies

Analogous

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



33.3987, 16.9554, 29.8773



33.2399, 16.9554, 9.7044



27.6931, 16.9554, 2.1952

Triad

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



33.2399, 16.9554, 9.7044



8.1494, 16.9554, 2.3856



12.9784, 16.9554, 88.6974

Complementary

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



33.2399, 16.9554, 9.7044



32.5074, 56.9534, 35.6853

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.



8.3203, 16.9554, 63.3430



33.2399, 16.9554, 9.7044



6.1425, 16.9554, 10.4018

Square

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



33.2399, 16.9554, 9.7044



12.6648, 16.9554, 0.5299



6.1941, 16.9554, 31.3426



20.1424, 16.9554, 87.9017

Rectangle

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



33.2399, 16.9554, 9.7044



22.4184, 16.9554, 0.8055



6.1941, 16.9554, 31.3426



11.1210, 16.9554, 82.4375

Sweetspot

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



33.2403, 16.9565, 9.7046



68.4567, 57.7788, 66.2308



25.3297, 11.4571, 73.5491



14.0367, 11.4139, 13.1120



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.



33.2403, 16.9565, 9.7046



43.2248, 22.0539, 12.3816



32.1509, 17.2753, 1.6414



14.5936, 14.4546, 16.0605



19.4362, 9.9087, 5.9260



1.4797, 0.7496, 0.6668

Inverse Universe

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



33.2403, 16.9565, 9.7046



43.2248, 22.0539, 12.3816



33.7729, 45.3607, 79.6482



14.5936, 14.4546, 16.0605



19.4362, 9.9087, 5.9260



1.4797, 0.7496, 0.6668

Previews

White Background



This preview shows how the XYZ color 33.2399, 16.9554, 9.7044 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 33.2399, 16.9554, 9.7044 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 33.2399, 16.9554, 9.7044

Background



This preview shows how black text looks on a background with the XYZ color 33.2399, 16.9554, 9.7044.



This preview shows how white text looks on a background with the XYZ color 33.2399, 16.9554,

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

33.2399, 16.9554, 9.7044

Protanopia

17.0944, 17.6778, 20.9235

Deuteranopia

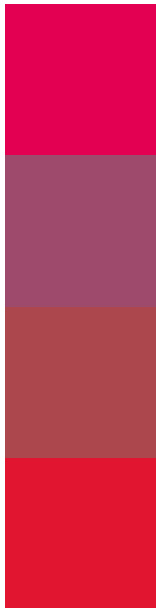
17.7023, 17.4254, 8.7338



Tritanopia

31.8295, 17.1890, 2.8685

Trichromacy



Original Color

33.2399, 16.9554, 9.7044

Protanomaly

19.0602, 13.1484, 15.7207

Deuteranomaly

20.6061, 13.8130, 8.6013

Tritanomaly

32.1866, 16.9268, 4.4765

Monochromacy



Original Color

33.2399, 16.9554, 9.7044

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

12.0253, 7.6667, 8.2431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2399, 16.9554, 9.7044 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, 83)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 83)  
}
```

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, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 83) }
```

Border

The CSS property to change the border of an element to XYZ 33.2399, 16.9554, 9.7044 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, 83) }
```


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

```
.border{ border-color:rgb(227, 0, 83) }
```

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, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 0, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 0, 83);  
box-shadow:4px 4px 4px 4px rgb(227, 0, 83)  
}
```

Background

The CSS property to change the background color of an element to XYZ 33.2399, 16.9554, 9.7044 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, 83) }
```

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

```
.background{ background-color: rgb(227, 0,  
83) }
```

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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