

Converting Colors

XYZ(34.7290, 17.6428, 13.4003)

Have a look what the booklet for
XYZ(34.7290, 17.6428, 13.4003)
contains.

XYZ(34.5652, 17.5589, 13.3718)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.5652, 17.5589,
13.3718)**

Conversions

Conversions Part 1

Format	Color
Hex	E50063
RGB	229, 0, 99
RGB Percent	90%, 0%, 39%
CMY	0.1020, 0.9998, 0.6118
CMYK	0.00, 1.00, 0.57, 0.10
HSL	334°, 100%, 45%
HSV	334°, 100%, 90%
XYZ	34.5652, 17.5589, 13.3718
YIQ	79.7570, 104.7050, 79.3370

Conversions

Conversions Part 2

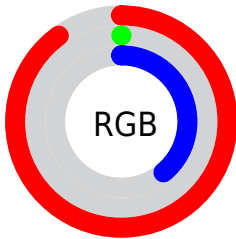
Format	Color
RYB	229, 0, 99
Decimal	15007843
CIELab	48.96, 76.91, 12.58
CIELCh	49, 77.929, 9.291
Yxy	17.5589, 0.5277, 0.2681
Android (android.graphics.Color)	4293197923 (0xFFE50063)
YUV	79.7570, 9.4868, 130.8861
Hunter-Lab	41.9033, 73.9101, 10.4123

Details

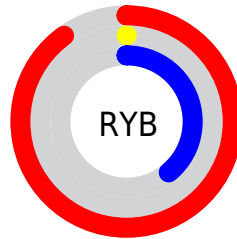
The XYZ color **34.5652, 17.5589, 13.3718** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **32.0528, 57.6518, 30.5769**, and the grayscale version is **7.5517, 7.9449, 8.6520**.

A 20% lighter version of the original color is **50.5792, 31.2586, 31.8015**, and **16.3685, 8.3640, 4.1199** is the 20% darker color. If you saturate the color by 10%, you get **34.5635, 17.5582, 13.3639**, and if you desaturate by 10%, it is **35.5432, 18.4389, 17.0159**.

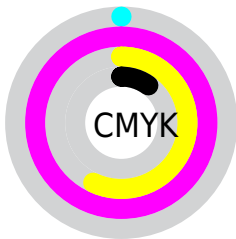
Distribution



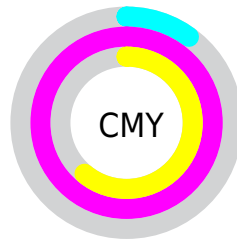
- Red (90%)
- Green (0%)
- Blue (39%)



- Red (90%)
- Yellow (0%)
- Blue (39%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (10%)





- Cyan (10%)
- Magenta (100%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5652, 17.5589, 13.3718 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 34.5652, 17.5589, 13.3718 by changing the saturation by 10% instead.


 34.5652, 17.5589,
13.3718


 34.5652, 17.5589,
13.3718


314.1867,
238.3729, 224.5778


 23.4931, 10.6338,
7.5513


 66.1501, 39.2843,
32.6711


 15.0807, 5.8211,
3.7256


 87.3936, 54.8533,
46.9869


 8.9627, 2.7366,
1.4760


 112.7583, 74.0724,
64.9717

 4.7738, 0.9958,
0.2000

 142.6095, 97.3259,
87.0439

 2.1485, 0.0000,
0.0000

 177.3126,
124.9984, 113.6221

 0.7154, 0.0000,
0.0000

 217.2329,

 0.0000, 0.0000,

157.4741, 145.1248

0.0000

262.7358,
195.1375, 181.9705

■ 34.5652, 17.5589,
13.3718

■ 34.5652, 17.5589,
13.3718

■ 34.5635, 17.5582,
13.3639

■ 35.5432, 18.4389,
17.0159

■ 36.9863, 20.0815,
21.3309

■ 39.0141, 22.7194,
26.3774

■ 41.6972, 26.4874,
32.1984

■ 45.0953, 31.4991,
38.8325

■ 49.2611, 37.8540,
46.3150

■ 54.2420, 45.6415,
54.6785

■ 60.0815, 54.9432,
63.9539

■ 66.8198, 65.8346,
74.1702

Harmonies

Analogous

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



33.4124, 17.5589, 36.9888



34.5652, 17.5589, 13.3718



29.9644, 17.5589, 3.3460

Triad

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



34.5652, 17.5589, 13.3718



9.3285, 17.5589, 1.8789



12.2305, 17.5589, 86.0196

Complementary

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



34.5652, 17.5589, 13.3718



32.0528, 57.6518, 30.5769

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.



8.0605, 17.5589, 57.1646



34.5652, 17.5589, 13.3718



6.7533, 17.5589, 8.1936

Square

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



34.5652, 17.5589, 13.3718



14.5389, 17.5589, 0.5245



6.3683, 17.5589, 26.3133



19.0418, 17.5589, 91.7425

Rectangle

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



34.5652, 17.5589, 13.3718



24.8651, 17.5589, 1.2397



6.3683, 17.5589, 26.3133



10.5364, 17.5589, 78.0543

Sweetspot

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



34.5656, 17.5600, 13.3721



69.0885, 58.0315, 69.5577



23.3172, 10.3876, 74.9043



14.1847, 11.4731, 13.8914



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.



34.5656, 17.5600, 13.3721



44.0657, 22.3903, 16.8098



32.4886, 17.0087, 1.5723



14.6343, 14.4709, 16.2747



19.8197, 10.0621, 7.9454



1.5105, 0.7619, 0.8286

Inverse Universe

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



34.5656, 17.5600, 13.3721



44.0657, 22.3903, 16.8098



38.1234, 53.6173, 82.4681



14.6343, 14.4709, 16.2747



19.8197, 10.0621, 7.9454



1.5105, 0.7619, 0.8286

Previews

White Background



This preview shows how the XYZ color 34.5652, 17.5589, 13.3718 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 34.5652, 17.5589, 13.3718 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.5652, 17.5589, 13.3718

Background



This preview shows how black text looks on a background with the XYZ color 34.5652, 17.5589, 13.3718.

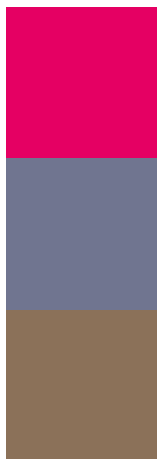


This preview shows how white text looks on a background with the XYZ color 34.5652, 17.5589,

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

34.5652, 17.5589, 13.3718

Protanopia

18.0774, 18.1809, 28.9420

Deuteranopia

18.3558, 18.0205, 11.9620



Tritanopia

32.7872, 17.9884, 3.5778

Trichromacy



Original Color

34.5652, 17.5589, 13.3718



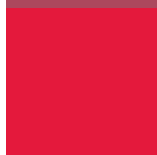
Protanomaly

19.8626, 13.4246, 21.9664



Deuteranomaly

21.3064, 14.1957, 11.9730



Tritanomaly

33.1582, 17.5155, 5.9082

Monochromacy



Original Color

34.5652, 17.5589, 13.3718



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

12.7356, 8.1241, 9.9137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5652, 17.5589, 13.3718 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(229, 0, 99)` looks like.

```
.text, #text, p{  
  color:rgb(229, 0, 99)  
}
```

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(229, 0, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 99) }
```

Border

The CSS property to change the border of an element to XYZ 34.5652, 17.5589, 13.3718 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(229, 0, 99) }
```


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

```
.border{ border-color:rgb(229, 0, 99) }
```

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

Here you see how a box with a 4 pixel rgb(229, 0, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 99);  
box-shadow:4px 4px 4px 4px rgb(229, 0, 99)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.5652, 17.5589, 13.3718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 0, 99) }
```

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

```
.background{ background-color: rgb(229, 0,  
99) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor