

Converting Colors

XYZ(35.2338, 17.9787, 10.0054)

Have a look what the booklet for
XYZ(35.2338, 17.9787, 10.0054)
contains.

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Color

**XYZ(35.2045, 17.9637,
9.9994)**

Conversions

Conversions Part 1

Format	Color
Hex	E90054
RGB	233, 0, 84
RGB Percent	91%, 0%, 33%
CMY	0.0863, 0.9998, 0.6706
CMYK	0.00, 1.00, 0.64, 0.09
HSL	338°, 100%, 46%
HSV	338°, 100%, 91%
XYZ	35.2045, 17.9637, 9.9994
YIQ	79.2430, 111.9040, 75.5200

Conversions

Conversions Part 2

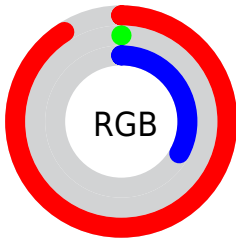
Format	Color
RYB	233, 0, 84
Decimal	15269972
CIELab	49.45, 76.96, 22.61
CIElCh	49, 80.212, 16.376
Yxy	17.9637, 0.5573, 0.2844
Android (android.graphics.Color)	4293460052 (0xFFE90054)
YUV	79.2430, 2.3452, 134.8449
Hunter-Lab	42.3836, 74.0936, 15.6805

Details

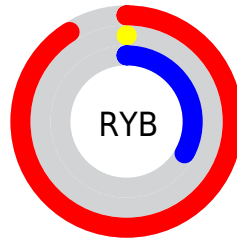
The XYZ color **35.2045, 17.9637, 9.9994** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **34.5685, 60.4495, 38.3020**, and the grayscale version is **7.4647, 7.8534, 8.5524**.

A 20% lighter version of the original color is **49.3880, 30.7822, 25.5288**, and **16.7452, 8.5882, 2.7826** is the 20% darker color. If you saturate the color by 10%, you get **35.2030, 17.9631, 9.9923**, and if you desaturate by 10%, it is **36.1651, 18.8495, 13.5125**.

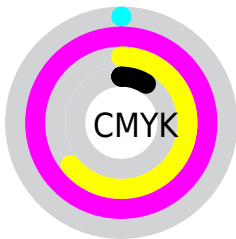
Distribution



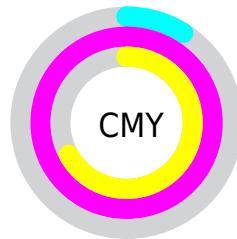
- Red (91%)
- Green (0%)
- Blue (33%)



- Red (91%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (64%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2045, 17.9637, 9.9994 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 35.2045, 17.9637, 9.9994 by changing the saturation by 10% instead.


 35.2045, 17.9637,
9.9994


 35.2045, 17.9637,
9.9994


316.9623,
240.6664, 201.1524


 23.9877, 10.9239,
5.2930


 67.1344, 39.9755,
26.4022


 15.4492, 6.0157,
2.3584


 88.5782, 55.7162,
38.9356


 9.2236, 2.8546,
0.7637


 114.1617, 75.1261,
54.9151

 4.9456, 1.0563,
0.0000

 144.2503, 98.5896,
74.7592

 2.2498, 0.0000,
0.0000

 179.2092,
126.4909, 98.8864

 0.7688, 0.0000,
0.0000

 219.4040,

 0.0000, 0.0000,

159.2146, 127.7153

0.0000

265.1999,
197.1449, 161.6645

■ 35.2045, 17.9637,
9.9994

■ 35.2045, 17.9637,
9.9994

■ 35.2030, 17.9631,
9.9923

■ 36.1651, 18.8495,
13.5125

■ 37.6331, 20.5395,
17.8431

■ 39.7346, 23.2754,
23.0665

■ 42.5453, 27.1987,
29.2386

■ 46.1297, 32.4289,
36.4098

■ 50.5444, 39.0705,
44.6263

■ 55.8407, 47.2174,
53.9310

■ 62.0653, 56.9555,
64.3644

■ 69.2619, 68.3640,
75.9644

Harmonies

Analogous

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



35.4986, 17.9637, 31.1205



35.2045, 17.9637, 9.9994



29.2213, 17.9637, 2.2379

Triad

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



35.2045, 17.9637, 9.9994



8.5527, 17.9637, 2.5886



13.8682, 17.9637, 94.5428

Complementary

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



35.2045, 17.9637, 9.9994



34.5685, 60.4495, 38.3020

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.



8.8684, 17.9637, 67.9502



35.2045, 17.9637, 9.9994



6.4711, 17.9637, 11.2881

Square

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



35.2045, 17.9637, 9.9994



13.2883, 17.9637, 0.5806



6.5664, 17.9637, 33.8325



21.5178, 17.9637, 93.0685

Rectangle

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



35.2045, 17.9637, 9.9994



23.6002, 17.9637, 0.8230



6.5664, 17.9637, 33.8325



11.8776, 17.9637, 88.0594

Sweetspot

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



35.2049, 17.9648, 9.9997



68.4089, 57.7597, 65.9792



26.8465, 12.1417, 78.0190



14.0255, 11.4095, 13.0532



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.



35.2049, 17.9648, 9.9997



43.1671, 22.0309, 12.0782



34.0973, 18.3096, 1.7385



15.2898, 15.1438, 16.8112



20.0290, 10.2143, 5.9542



1.6174, 0.8199, 0.7025

Inverse Universe

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



35.2049, 17.9648, 9.9997



43.1671, 22.0309, 12.0782



35.8150, 48.0964, 84.4863



15.2898, 15.1438, 16.8112



20.0290, 10.2143, 5.9542



1.6174, 0.8199, 0.7025

Previews

White Background



This preview shows how the XYZ color 35.2045, 17.9637, 9.9994 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 35.2045, 17.9637, 9.9994 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 35.2045, 17.9637, 9.9994

Background



This preview shows how black text looks on a background with the XYZ color 35.2045, 17.9637, 9.9994.



This preview shows how white text looks on a background with the XYZ color 35.2045, 17.9637,

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

35.2045, 17.9637, 9.9994

Protanopia

17.9177, 18.6168, 21.3879

Deuteranopia

18.7549, 18.4583, 9.0529



Tritanopia

33.7743, 18.2319, 3.0353

Trichromacy



Original Color

35.2045, 17.9637, 9.9994



Protanomaly

20.0427, 13.8501, 16.0850



Deuteranomaly

21.6622, 14.5453, 8.8735



Tritanomaly

34.1413, 17.9599, 4.6848

Monochromacy



Original Color

35.2045, 17.9637, 9.9994



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.6175, 8.0262, 8.6688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2045, 17.9637, 9.9994 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(233, 0, 84)` looks like.

```
.text, #text, p{  
    color:rgb(233, 0, 84)  
}
```

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(233, 0, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 0, 84) }
```

Border

The CSS property to change the border of an element to XYZ 35.2045, 17.9637, 9.9994 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(233, 0, 84) }
```


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

```
.border{ border-color:rgb(233, 0, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 0, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 0, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 0, 84);  
box-shadow:4px 4px 4px 4px rgb(233, 0, 84)  
}
```

Background

The CSS property to change the background color of an element to XYZ 35.2045, 17.9637, 9.9994 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 0, 84) }
```

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

```
.background{ background-color: rgb(233, 0,  
84) }
```

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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