

Converting Colors

XYZ(35.1299, 17.8032, 15.5112)

Have a look what the booklet for
XYZ(35.1299, 17.8032, 15.5112)
contains.

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Color

**XYZ(34.9669, 17.7196,
15.4872)**

Conversions

Conversions Part 1

Format	Color
Hex	E5006B
RGB	229, 0, 107
RGB Percent	90%, 0%, 42%
CMY	0.1020, 0.9998, 0.5804
CMYK	0.00, 1.00, 0.53, 0.10
HSL	332°, 100%, 45%
HSV	332°, 100%, 90%
XYZ	34.9669, 17.7196, 15.4872
YIQ	80.6690, 102.1370, 81.8250

Conversions

Conversions Part 2

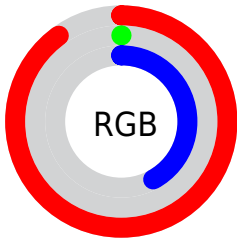
Format	Color
R_{YB}	229, 0, 107
Decimal	15007851
CIE _{Lab}	49.15, 77.43, 7.93
CIE _{LCh}	49, 77.838, 5.851
Yxy	17.7196, 0.5129, 0.2599
Android (android.graphics.Color)	4293197931 (0xFFE5006B)
YUV	80.6690, 12.9812, 130.0863
Hunter-Lab	42.0947, 74.6095, 7.6527

Details

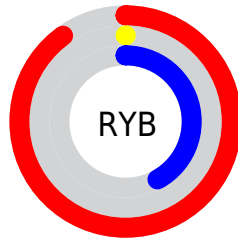
The XYZ color **34.9669, 17.7196, 15.4872** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **31.5361, 57.4451, 27.8563**, and the grayscale version is **7.7232, 8.1254, 8.8486**.

A 20% lighter version of the original color is **51.3259, 31.5573, 35.7337**, and **16.5415, 8.4332, 5.0309** is the 20% darker color. If you saturate the color by 10%, you get **34.9652, 17.7188, 15.4789**, and if you desaturate by 10%, it is **35.9604, 18.6058, 19.2128**.

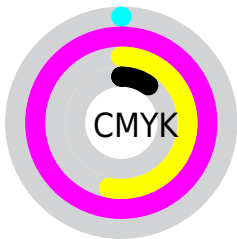
Distribution



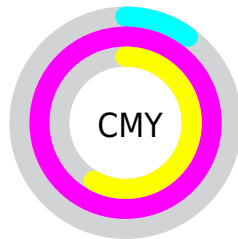
- Red (90%)
- Green (0%)
- Blue (42%)



- Red (90%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (10%)




- Cyan (10%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.9669, 17.7196, 15.4872 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 34.9669, 17.7196, 15.4872 by changing the saturation by 10% instead.


 34.9669, 17.7196,
15.4872


 34.9669, 17.7196,
15.4872


315.9328,
239.2858, 238.0380


 23.8038, 10.7489,
9.0116


 66.7688, 39.5589,
36.4600


 15.3121, 5.8982,
4.6518


 88.1384, 55.1963,
51.7942


 9.1264, 2.7833,
1.9893


 113.6408, 74.4914,
70.9184

 4.8815, 1.0197,
0.5487

 143.6413, 97.8286,
94.2511

 2.2120, 0.0000,
0.0000

 178.5055,
125.5922, 122.2109

 0.7490, 0.0000,
0.0000

 218.5985,

 0.0000, 0.0000,

158.1667, 155.2163

0.0000

264.2858,
195.9364, 193.6858

■ 34.9669, 17.7196,
15.4872

■ 34.9669, 17.7196,
15.4872

■ 34.9652, 17.7188,
15.4789

■ 35.9604, 18.6058,
19.2128

■ 37.4086, 20.2504,
23.5544

■ 39.4302, 22.8859,
28.5684

■ 42.0951, 26.6467,
34.2937

■ 45.4624, 31.6461,
40.7652

■ 49.5839, 37.9833,
48.0146

■ 54.5066, 45.7476,
56.0713

■ 60.2733, 55.0202,
64.9629

■ 66.9236, 65.8763,
74.7155

Harmonies

Analogous

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



33.1244, 17.7196, 40.7923



34.9669, 17.7196, 15.4872



30.9336, 17.7196, 4.0473

Triad

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



34.9669, 17.7196, 15.4872



9.8995, 17.7196, 1.6253



11.7379, 17.7196, 83.9048

Complementary

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



34.9669, 17.7196, 15.4872



31.5361, 57.4451, 27.8563

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.



7.8502, 17.7196, 53.6048



34.9669, 17.7196, 15.4872



7.0229, 17.7196, 7.0975

Square

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



34.9669, 17.7196, 15.4872



15.4543, 17.7196, 0.5115



6.3990, 17.7196, 23.6776



18.3102, 17.7196, 93.0105

Rectangle

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



34.9669, 17.7196, 15.4872



25.9895, 17.7196, 1.4975



6.3990, 17.7196, 23.6776



10.1405, 17.7196, 75.1555

Sweetspot

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



34.9674, 17.7207, 15.4875



69.4277, 58.1672, 71.3438



21.6613, 9.5340, 74.8268



14.2645, 11.5050, 14.3116



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.



34.9674, 17.7207, 15.4875



44.5767, 22.5947, 19.5010



32.3552, 16.7421, 1.5279



14.6558, 14.4795, 16.3876



20.0511, 10.1547, 9.1642



1.5283, 0.7690, 0.9224

Inverse Universe

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



34.9674, 17.7207, 15.4875



44.5767, 22.5947, 19.5010



41.1183, 59.6072, 83.4664



14.6558, 14.4795, 16.3876



20.0511, 10.1547, 9.1642



1.5283, 0.7690, 0.9224

Previews

White Background



This preview shows how the XYZ color 34.9669, 17.7196, 15.4872 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 34.9669, 17.7196, 15.4872 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 34.9669, 17.7196, 15.4872

Background



This preview shows how black text looks on a background with the XYZ color 34.9669, 17.7196, 15.4872.



This preview shows how white text looks on a background with the XYZ color 34.9669, 17.7196,

15.4872.

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

34.9669, 17.7196, 15.4872

Protanopia

18.5844, 18.3403, 33.5709

Deuteranopia

18.4915, 18.2161, 13.8507



Tritanopia

32.6458, 18.0637, 3.9565

Trichromacy



Original Color

34.9669, 17.7196, 15.4872



Protanomaly

20.1731, 13.5048, 25.5882



Deuteranomaly

21.3091, 14.2507, 13.9395



Tritanomaly

33.0539, 17.5081, 6.7915

Monochromacy



Original Color

34.9669, 17.7196, 15.4872



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

13.0651, 8.3451, 10.5950

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9669, 17.7196, 15.4872 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(229, 0, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 0, 107) }
```

Border

The CSS property to change the border of an element to XYZ 34.9669, 17.7196, 15.4872 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, 107) }
```


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

```
.border{ border-color:rgb(229, 0, 107) }
```

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, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 0, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 0, 107);  
box-shadow:4px 4px 4px 4px rgb(229, 0,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9669, 17.7196, 15.4872 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, 107) }
```

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

```
.background{ background-color: rgb(229, 0,  
107) }
```

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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