

Converting Colors

XYZ(34.8907, 16.6106, 66.0645)

Have a look what the booklet for
XYZ(34.8907, 16.6106, 66.0645)
contains.

XYZ(34.9329, 16.6251, 66.3335)	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(34.9329, 16.6251,
66.3335)**

Conversions

Conversions Part 1

Format	Color
Hex	C303D8
RGB	195, 3, 216
RGB Percent	76%, 1%, 85%
CMY	0.2353, 0.9882, 0.1529
CMYK	0.10, 0.99, 0.00, 0.15
HSL	294°, 97%, 43%
HSV	294°, 99%, 85%
XYZ	34.9329, 16.6251, 66.3335
YIQ	84.6900, 46.0590, 106.9470

Conversions

Conversions Part 2

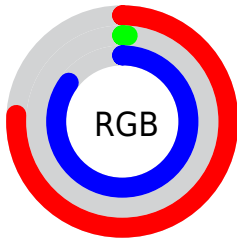
Format	Color
RYB	195, 3, 216
Decimal	12780504
CIELab	47.78, 83.22, -59.57
CIELCh	48, 102.346, 324.403
Yxy	16.6251, 0.2963, 0.1410
Android (android.graphics.Color)	4290970584 (0xFFC303D8)
YUV	84.6900, 64.7358, 96.7419
Hunter-Lab	40.7739, 81.5750, -67.9149

Details

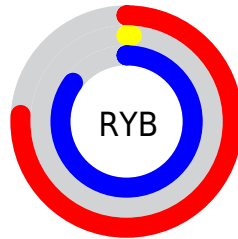
The XYZ color **34.9329, 16.6251, 66.3335** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **24.9497, 49.3130, 8.2901**, and the grayscale version is **8.4357, 8.8750, 9.6648**.

A 20% lighter version of the original color is **63.2044, 36.3087, 98.2848**, and **16.4985, 7.7723, 33.8883** is the 20% darker color. If you saturate the color by 10%, you get **34.8239, 16.5206, 66.3193**, and if you desaturate by 10%, it is **35.7947, 17.5251, 66.4621**.

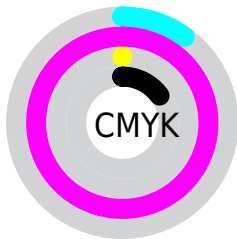
Distribution



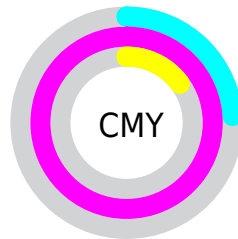
- Red (76%)
- Green (1%)
- Blue (85%)



- Red (76%)
- Yellow (1%)
- Blue (85%)



- Cyan (10%)
- Magenta (99%)
- Yellow (0%)
- Black (15%)





- Cyan (24%)
- Magenta (99%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9329, 16.6251, 66.3335 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 34.9329, 16.6251, 66.3335 by changing the saturation by 10% instead.

 34.9329, 16.6251,
66.3335


 34.9329, 16.6251,
66.3335


315.7853,
233.0026, 466.0054

 23.7775, 9.9676,
48.0850


 66.7165, 37.6801,
115.5964


 15.2925, 5.3775,
33.5337


 88.0754, 52.8463,
147.4479


 9.1126, 2.4704,
22.2612


 113.5662, 71.6175,
184.6708

 4.8724, 0.8618,
13.8488

 143.5541, 94.3781,
227.6837

 2.2066, 0.0000,
7.8780

 178.4047,
121.5125, 276.9050

 0.7462, 0.0000,
3.9303

 218.4831,

 0.0000, 0.0000,

153.4052, 332.7534

1.5872

264.1549,
190.4404, 395.6473

■ 0.0000, 0.0000,
0.2817

■ 0.0000, 0.0000,
0.0000

■ 34.9329, 16.6251,
66.3335

■ 34.9329, 16.6251,
66.3335

■ 34.8239, 16.5206,
66.3193

■ 35.7947, 17.5251,
66.4621

■ 37.0029, 19.1071,
66.7037

■ 38.6436, 21.5423,
67.0873

■ 40.7729, 24.9427,
67.6314

■ 43.4381, 29.4033,
68.3519

■ 46.6811, 35.0076,
69.2627

■ 50.5395, 41.8307,
70.3764

■ 55.0478, 49.9416,
71.7043

■ 60.2377, 59.4038,
73.2572

Harmonies

Analogous

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



24.2715, 16.6251, 114.1520



34.9329, 16.6251, 66.3335



40.6750, 16.6251, 23.4917

Triad

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



34.9329, 16.6251, 66.3335



17.5859, 16.6251, 0.0000



4.5635, 16.6251, 48.0407

Complementary

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



34.9329, 16.6251, 66.3335



24.9497, 49.3130, 8.2901

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.



3.9420, 16.6251, 13.6068



34.9329, 16.6251, 66.3335



9.5745, 16.6251, 0.0000

Square

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



34.9329, 16.6251, 66.3335



28.4601, 16.6251, 0.0000



5.3575, 16.6251, 1.7424



7.5947, 16.6251, 98.1413

Rectangle

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



34.9329, 16.6251, 66.3335



39.7976, 16.6251, 8.2160



5.3575, 16.6251, 1.7424



4.1314, 16.6251, 33.8084

Sweetspot

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



34.9336, 16.6258, 66.3339



72.5894, 59.1176, 102.1927



12.7658, 5.6439, 65.3825



15.0154, 11.7289, 21.7225



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.



34.9336, 16.6258, 66.3339



50.6377, 24.0196, 96.5751



32.4356, 16.2981, 22.8412



12.8267, 12.5676, 15.6873



20.6638, 9.8051, 39.2566



1.2821, 0.6098, 2.3694

Inverse Universe

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



28.5169, 14.7306, 2.2055



41.4170, 21.3308, 2.8621



26.3641, 49.8395, 17.5093



12.4725, 12.4405, 13.1625



16.8619, 8.6811, 1.3109



1.0344, 0.5306, 0.1706

Previews

White Background



This preview shows how the XYZ color 34.9329, 16.6251, 66.3335 looks on a white background.

Color Contrast Check

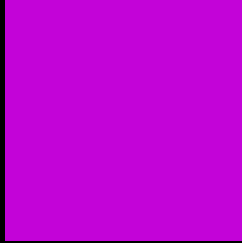
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.9329, 16.6251, 66.3335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

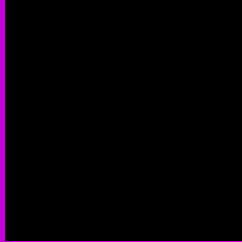
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 34.9329, 16.6251, 66.3335

Background



This preview shows how black text looks on a background with the XYZ color 34.9329, 16.6251, 66.3335.



This preview shows how white text looks on a background with the XYZ color 34.9329, 16.6251,

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

34.9329, 16.6251, 66.3335

Protanopia

20.5357, 17.3094, 80.1006

Deuteranopia

17.8683, 17.4094, 58.9185



Tritanopia

23.9592, 16.9556, 11.9075

Trichromacy



Original Color

34.9329, 16.6251, 66.3335



Protanomaly

18.7810, 11.5204, 73.9068



Deuteranomaly

18.5857, 12.1026, 61.0310



Tritanomaly

25.8177, 14.8242, 24.7932

Monochromacy



Original Color

34.9329, 16.6251, 66.3335



Achromatopsia

8.6345, 9.0842, 9.8927



Achromatomaly

14.0573, 8.7858, 23.1452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9329, 16.6251, 66.3335 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(195, 3, 216)` looks like.

```
.text, #text, p{  
    color:rgb(195, 3, 216)  
}
```

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(195, 3, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 3, 216) }
```

Border

The CSS property to change the border of an element to XYZ 34.9329, 16.6251, 66.3335 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(195, 3, 216) }
```


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

```
.border{ border-color:rgb(195, 3, 216) }
```

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

Here you see how a box with a 4 pixel rgb(195, 3, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 3, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 3, 216);  
box-shadow:4px 4px 4px 4px rgb(195, 3,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9329, 16.6251, 66.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 3, 216) }
```

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

```
.background{ background-color: rgb(195, 3,  
216) }
```

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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