

Converting Colors

XYZ(29.8951, 14.6758, 34.6370)

Have a look what the booklet for
XYZ(29.8951, 14.6758, 34.6370)
contains.

XYZ(29.8984, 14.6802, 34.5154)	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(29.8984, 14.6802,
34.5154)**

Conversions

Conversions Part 1

Format	Color
Hex	C700A0
RGB	199, 0, 160
RGB Percent	78%, 0%, 63%
CMY	0.2196, 0.9999, 0.3725
CMYK	0.00, 1.00, 0.20, 0.22
HSL	312°, 100%, 39%
HSV	312°, 100%, 78%
XYZ	29.8984, 14.6802, 34.5154
YIQ	77.7410, 67.2440, 91.9480

Conversions

Conversions Part 2

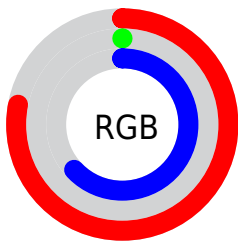
Format	Color
RYB	199, 0, 160
Decimal	13041824
CIELab	45.19, 76.28, -30.86
CIELCh	45, 82.291, 337.973
Yxy	14.6802, 0.3780, 0.1856
Android (android.graphics.Color)	4291231904 (0xFFC700A0)
YUV	77.7410, 40.5537, 106.3441
Hunter-Lab	38.3147, 72.2393, -26.5904

Details

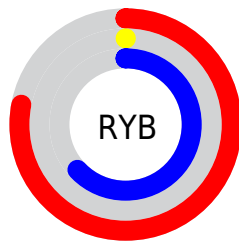
The XYZ color **29.8984, 14.6802, 34.5154** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **20.7907, 40.9941, 8.7391**, and the grayscale version is **7.1134, 7.4839, 8.1499**.

A 20% lighter version of the original color is **57.0781, 33.3111, 67.7113**, and **13.5220, 6.6582, 14.7598** is the 20% darker color. If you saturate the color by 10%, you get **29.8980, 14.6801, 34.5127**, and if you desaturate by 10%, it is **30.4942, 15.3169, 36.4243**.

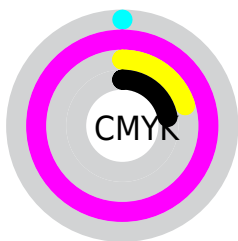
Distribution



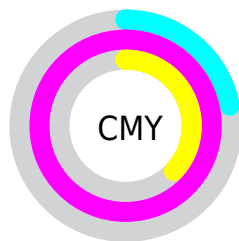
- Red (78%)
- Green (0%)
- Blue (63%)



- Red (78%)
- Yellow (0%)
- Blue (63%)



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (22%)





- Cyan (22%)
- Magenta (100%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8984, 14.6802, 34.5154 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 29.8984, 14.6802, 34.5154 by changing the saturation by 10% instead.

 29.8984, 14.6802,
34.5154

 29.8984, 14.6802,
34.5154


293.3489,
221.4223, 337.2632


 19.9092, 8.5953,
23.0093

 58.8892, 34.2912,
67.8774

 12.4369, 4.4781,
14.3950


 78.6215, 48.5860,
90.5703


 7.1163, 1.9445,
8.2540


 102.3322, 66.3862,
117.8293

 3.5819, 0.5749,
4.1678

 130.3866, 88.0762,
150.0728

 1.4684, 0.0000,
1.7179

 163.1501,
114.0405, 187.7194

 0.3042, 0.0000,
0.3729

 200.9881,

 0.0000, 0.0000,

144.6633, 231.1876

0.0000

244.2659,
180.3291, 280.8960

■ 29.8984, 14.6802,
34.5154

■ 29.8984, 14.6802,
34.5154

■ 29.8980, 14.6801,
34.5127

■ 30.4942, 15.3169,
36.4243

■ 31.3559, 16.4682,
38.4750

■ 32.5730, 18.3130,
40.6979

■ 34.1924, 20.9446,
43.1092

■ 36.2535, 24.4421,
45.7223

■ 38.7911, 28.8746,
48.5495

■ 41.8364, 34.3046,
51.6014

■ 45.4181, 40.7890,
54.8882

■ 49.5623, 48.3803,
58.4189

Harmonies

Analogous

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



23.6297, 14.6802, 67.3124



29.8984, 14.6802, 34.5154



31.2942, 14.6802, 11.3375

Triad

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



29.8984, 14.6802, 34.5154



12.2190, 14.6802, 0.0000



5.9825, 14.6802, 51.8079

Complementary

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



29.8984, 14.6802, 34.5154



20.7907, 40.9941, 8.7391

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.



4.6042, 14.6802, 21.7534



29.8984, 14.6802, 34.5154



7.3615, 14.6802, 0.9122

Square

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



29.8984, 14.6802, 34.5154



19.4466, 14.6802, 0.1143



5.0105, 14.6802, 5.6600



9.6058, 14.6802, 81.7672

Rectangle

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



29.8984, 14.6802, 34.5154



28.9570, 14.6802, 4.0764



5.0105, 14.6802, 5.6600



5.3053, 14.6802, 40.7285

Sweetspot

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



29.8989, 14.6810, 34.5157



72.9890, 59.5917, 90.0974



11.0547, 4.5085, 54.3209



15.1143, 11.8449, 18.7864



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.



29.8989, 14.6810, 34.5157



52.2615, 25.6686, 59.9683



24.4520, 12.5022, 5.8326



10.9905, 10.7796, 12.9334



19.2563, 9.4521, 22.3572



0.9352, 0.4569, 1.1821

Inverse Universe

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



29.8989, 14.6810, 34.5157



52.2615, 25.6686, 59.9683



24.8675, 42.6248, 30.2070



10.9905, 10.7796, 12.9334



19.2563, 9.4521, 22.3572



0.9352, 0.4569, 1.1821

Previews

White Background



This preview shows how the XYZ color 29.8984, 14.6802, 34.5154 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

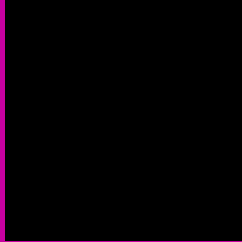
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 29.8984, 14.6802, 34.5154

Background



This preview shows how black text looks on a background with the XYZ color 29.8984, 14.6802, 34.5154.



This preview shows how white text looks on a background with the XYZ color 29.8984, 14.6802,

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

29.8984, 14.6802, 34.5154

Protanopia

18.5061, 15.4850, 72.5345

Deuteranopia

15.6915, 15.4139, 31.0023



Tritanopia

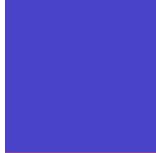
24.2467, 15.0247, 6.7764

Trichromacy



Original Color

29.8984, 14.6802, 34.5154



Protanomaly

15.2223, 9.6091, 56.3108



Deuteranomaly

17.6337, 11.5759, 31.8768



Tritanomaly

25.3072, 13.9070, 13.4071

Monochromacy



Original Color

29.8984, 14.6802, 34.5154



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

11.8734, 7.5015, 15.0095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8984, 14.6802, 34.5154 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(199, 0, 160)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 160)  
}
```

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(199, 0, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 160) }
```

Border

The CSS property to change the border of an element to XYZ 29.8984, 14.6802, 34.5154 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(199, 0, 160) }
```


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

```
.border{ border-color:rgb(199, 0, 160) }
```

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

Here you see how a box with a 4 pixel rgb(199, 0, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 160);  
box-shadow:4px 4px 4px 4px rgb(199, 0,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8984, 14.6802, 34.5154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 160) }
```

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

```
.background{ background-color: rgb(199, 0,  
160) }
```

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