

# Converting Colors

XYZ(33.1697, 16.5649, 25.7101)

Have a look what the booklet for  
XYZ(33.1697, 16.5649, 25.7101)  
contains.

<b>XYZ(33.2755, 16.6158, 25.8795)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(33.2755, 16.6158,  
25.8795)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9008B
RGB	217, 0, 139
RGB Percent	85%, 0%, 55%
CMY	0.1490, 0.9998, 0.4549
CMYK	0.00, 1.00, 0.36, 0.15
HSL	322°, 100%, 43%
HSV	322°, 100%, 85%
XYZ	33.2755, 16.6158, 25.8795
YIQ	80.7290, 84.7130, 89.2330

# Conversions

## Conversions Part 2

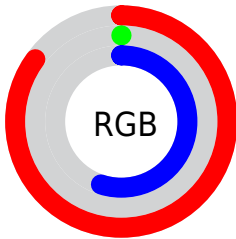
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 0, 139
Decimal	14221451
CIE <sub>Lab</sub>	47.77, 77.52, -13.94
CIE <sub>LCh</sub>	48, 78.759, 349.808
Yxy	16.6158, 0.4392, 0.2193
Android (android.graphics.Color)	4292411531 (0xFFD9008B)
YUV	80.7290, 28.7276, 119.5097
Hunter-Lab	40.7625, 74.3800, -9.1086

# Details

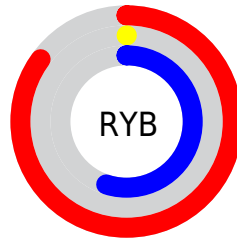
The XYZ color **33.2755, 16.6158, 25.8795** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **26.1901, 50.1767, 15.5203**, and the grayscale version is **7.7059, 8.1072, 8.8288**.

A 20% lighter version of the original color is **54.6928, 32.7645, 53.8936**, and **15.5135, 7.7892, 10.1370** is the 20% darker color. If you saturate the color by 10%, you get **33.2744, 16.6154, 25.8738**, and if you desaturate by 10%, it is **34.1482, 17.4161, 29.0842**.

# Distribution



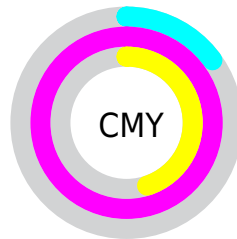
- Red (85%)
- Green (0%)
- Blue (55%)



- Red (85%)
- Yellow (0%)
- Blue (55%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (15%)




- Cyan (15%)
- Magenta (100%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2755, 16.6158, 25.8795 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 33.2755, 16.6158, 25.8795 by changing the saturation by 10% instead.




 33.2755, 16.6158,  
25.8795


 33.2755, 16.6158,  
25.8795

308.5324,  
232.9485, 295.7767


 22.4978, 9.9609,  
16.5086


 64.1572, 37.6640,  
54.0622


 14.3418, 5.3731,  
9.7265


 84.9920, 52.8262,  
73.7110


 8.4421, 2.4678,  
5.1148


 109.9098, 71.5929,  
97.6229

 4.4333, 0.8604,  
2.2548

 139.2760, 94.3485,  
126.2163

 1.9500, 0.0000,  
0.7058

 173.4561,  
121.4775, 159.9099

 0.6057, 0.0000,  
0.0000

 212.8152,

 0.0000, 0.0000,

153.3642, 199.1221

0.0000

257.7189,  
190.3931, 244.2715

■ 33.2755, 16.6158,  
25.8795

■ 33.2755, 16.6158,  
25.8795

■ 33.2744, 16.6154,  
25.8738

■ 34.1482, 17.4161,  
29.0842

■ 35.3785, 18.8651,  
32.6127

■ 37.0714, 21.1718,  
36.5041

■ 39.2860, 24.4527,  
40.7819

■ 42.0719, 28.8063,  
45.4664

■ 45.4729, 34.3186,  
50.5757

■ 49.5281, 41.0671,  
56.1264

■ 54.2736, 49.1223,  
62.1340

■ 59.7424, 58.5496,  
68.6130

# Harmonies

## Analogous

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



28.5978, 16.6158, 56.5664



33.2755, 16.6158, 25.8795



32.3168, 16.6158, 7.8563

# Triad

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



33.2755, 16.6158, 25.8795



11.6248, 16.6158, 0.5780



8.5523, 16.6158, 67.0043

# Complementary

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



33.2755, 16.6158, 25.8795



26.1901, 50.1767, 15.5203

# 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.



6.1546, 16.6158, 34.7233



33.2755, 16.6158, 25.8795



7.5271, 16.6158, 2.8131

# Square

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



33.2755, 16.6158, 25.8795



18.3186, 16.6158, 0.3390



5.8456, 16.6158, 12.0478



13.5106, 16.6158, 89.6718



# Rectangle

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



33.2755, 16.6158, 25.8795



28.6846, 16.6158, 2.8711



5.8456, 16.6158, 12.0478



7.4915, 16.6158, 56.1416

# Sweetspot

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



33.2760, 16.6167, 25.8798



71.1939, 58.8737, 80.6447



15.5036, 6.5463, 66.0921



14.6834, 11.6726, 16.5176



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.



33.2760, 16.6167, 25.8798



47.8799, 23.9160, 36.8952



28.8845, 14.8601, 2.7545



13.4053, 13.1912, 15.3958



20.1947, 10.0789, 15.9373



1.3489, 0.6692, 1.2465



# Inverse Universe

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



33.2760, 16.6167, 25.8798



47.8799, 23.9160, 36.8952



33.5131, 53.1059, 54.0828



13.4053, 13.1912, 15.3958



20.1947, 10.0789, 15.9373



1.3489, 0.6692, 1.2465



# Previews

## White Background



This preview shows how the XYZ color 33.2755, 16.6158, 25.8795 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 33.2755, 16.6158, 25.8795 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 33.2755, 16.6158, 25.8795**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.2755, 16.6158, 25.8795.



This preview shows how white text looks on a background with the XYZ color 33.2755, 16.6158,

25.8795.

# 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

33.2755, 16.6158, 25.8795

### Protanopia

19.2745, 17.5116, 56.3970

### Deuteranopia

17.5023, 17.1664, 23.1598



## Tritanopia

29.2561, 17.0248, 5.6150

# Trichromacy



## Original Color

33.2755, 16.6158, 25.8795



## Protanomaly

19.1553, 12.3982, 42.9785



## Deuteranomaly

20.0044, 13.1685, 23.6777



## Tritanomaly

30.0529, 16.1863, 10.5571

# Monochromacy



## Original Color

33.2755, 16.6158, 25.8795



## Achromatopsia

7.8210, 8.2283, 8.9606



## Achromatomaly

12.8322, 8.1611, 13.4693

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.2755, 16.6158, 25.8795 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(217, 0, 139)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 139)  
}
```

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(217, 0, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 139) }
```

## Border

The CSS property to change the border of an element to XYZ 33.2755, 16.6158, 25.8795 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(217, 0, 139) }
```



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

```
.border{ border-color:rgb(217, 0, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 0, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 139);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
139) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.2755, 16.6158, 25.8795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 139) }
```

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

```
.background{ background-color: rgb(217, 0,  
139) }
```

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**