

# Converting Colors

XYZ(41.6887, 33.2214, 35.2450)

Have a look what the booklet for  
XYZ(41.6887, 33.2214, 35.2450)  
contains.

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# Color

**XYZ(41.7445, 33.2877,  
35.2353)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D5859B
RGB	213, 133, 155
RGB Percent	84%, 52%, 61%
CMY	0.1647, 0.4784, 0.3922
CMYK	0.00, 0.38, 0.27, 0.16
HSL	344°, 49%, 68%
HSV	344°, 38%, 84%
XYZ	41.7445, 33.2877, 35.2353
YIQ	159.4280, 40.6180, 23.8020

# Conversions

## Conversions Part 2

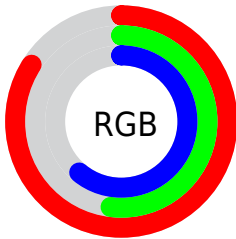
Format	Color
R <sub>Y</sub> B	213, 133, 155
Decimal	13993371
CIE Lab	64.39, 33.54, 1.30
CIE LCh	64, 33.567, 2.217
Yxy	33.2877, 0.3786, 0.3019
Android (android.graphics.Color)	4292183451 (0xFFD5859B)
YUV	159.4280, -2.1830, 46.9826
Hunter-Lab	57.6955, 28.1832, 4.1778

# Details

The XYZ color **41.7445, 33.2877, 35.2353** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **42.8726, 56.3375, 57.9077**, and the grayscale version is **33.1481, 34.8743, 37.9782**.

A 20% lighter version of the original color is **70.5189, 61.4041, 68.4570**, and **19.2263, 14.1020, 14.8053** is the 20% darker color. If you saturate the color by 10%, you get **37.9035, 27.5500, 27.9601**, and if you desaturate by 10%, it is **46.3446, 40.2775, 43.5826**.

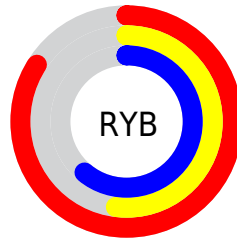
# Distribution



Red (84%)

Green (52%)

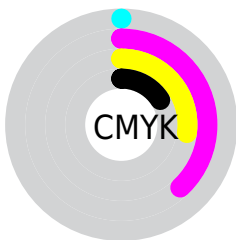
Blue (61%)



Red (84%)

Yellow (52%)

Blue (61%)

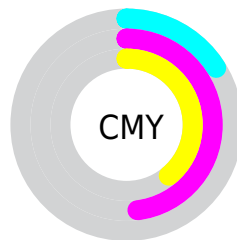


Cyan (0%)

Magenta (38%)

Yellow (27%)

Black (16%)



Cyan (16%)

Magenta (48%)


Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7445, 33.2877, 35.2353 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 41.7445, 33.2877, 35.2353 by changing the saturation by 10% instead.




 41.7445, 33.2877,  
35.2353


 41.7445, 33.2877,  
35.2353


344.4324,  
316.9441, 340.5415


 29.0915, 22.3469,  
23.5592


 77.0804, 64.8244,  
69.0058

 19.2947, 14.1120,  
14.7978


 100.4940, 86.1892,  
91.9373

 11.9887, 8.1986,  
8.5325


 128.2252,  
111.7974, 119.4577

 6.8081, 4.2223,  
4.3449

160.6393,  
142.0335, 151.9855

 3.3876, 1.7987,  
1.8164

198.1017,  
177.2818, 189.9392

 1.3619, 0.4864,  
0.4388

240.9778,

 0.2288, 0.0000,

217.9267, 233.7374

0.0000

289.6329,  
264.3527, 283.7986

■ 0.0000, 0.0000,  
0.0000

■ 41.7445, 33.2877,  
35.2353

■ 41.7445, 33.2877,  
35.2353

■ 37.9035, 27.5500,  
27.9601

■ 46.3446, 40.2775,  
43.5826

■ 34.7765, 22.9852,  
21.7103

■ 51.7397, 48.5827,  
53.0422

■ 32.3179, 19.5124,  
16.4382


■ 57.9671, 58.2684,  
63.6544


■ 30.4756, 17.0386,  
12.0913


■ 65.0605, 69.3937,  
75.4571

■ 29.1888, 15.4545,  
8.6118

■ 73.0519, 82.0142,  
88.4862

 28.3761, 14.6107,  
5.9312

 80.0914, 92.4225,  
102.1495

 28.2189, 14.4575,  
5.3823

 81.2507, 92.8862,  
108.2542

# Harmonies

## Analogous

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



40.4905, 33.2877, 49.9561



41.7445, 33.2877, 35.2353



40.0726, 33.2877, 23.9406

# Triad

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



41.7445, 33.2877, 35.2353



26.9859, 33.2877, 18.2195



27.5439, 33.2877, 64.8892

# Complementary

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



41.7445, 33.2877, 35.2353



42.8726, 56.3375, 57.9077

# 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.



24.4803, 33.2877, 52.1737



41.7445, 33.2877, 35.2353



24.1817, 33.2877, 25.3041

# Square

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



41.7445, 33.2877, 35.2353



31.2845, 33.2877, 15.7859



23.3120, 33.2877, 37.2731



31.9961, 33.2877, 69.4380



# Rectangle

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



41.7445, 33.2877, 35.2353



37.6130, 33.2877, 19.1624



23.3120, 33.2877, 37.2731



26.3336, 33.2877, 61.2934

# Sweetspot

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



41.7454, 33.2893, 35.2360



83.6421, 82.1495, 89.7900



41.7176, 32.5710, 67.0392



17.6257, 17.1520, 18.7473



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.



41.7454, 33.2893, 35.2360



58.0820, 43.0603, 44.1802



42.6350, 37.7604, 27.2336



12.5622, 12.4764, 13.6346



17.2746, 8.8461, 3.4839



1.0769, 0.5475, 0.3942



# Inverse Universe

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



41.7454, 33.2893, 35.2360



58.0820, 43.0603, 44.1802



41.3492, 49.1214, 70.2531



12.5622, 12.4764, 13.6346



17.2746, 8.8461, 3.4839

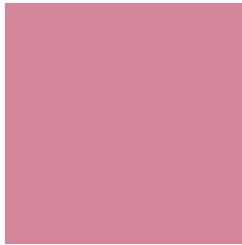


1.0769, 0.5475, 0.3942



# Previews

## White Background



This preview shows how the XYZ color 41.7445, 33.2877, 35.2353 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 41.7445, 33.2877, 35.2353 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 ✓ Pass

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

**XYZ 41.7445, 33.2877, 35.2353**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.7445, 33.2877, 35.2353.



This preview shows how white text looks on a background with the XYZ color 41.7445, 33.2877,



# 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

41.7445, 33.2877, 35.2353

### Protanopia

32.6667, 33.6720, 41.8234

### Deuteranopia

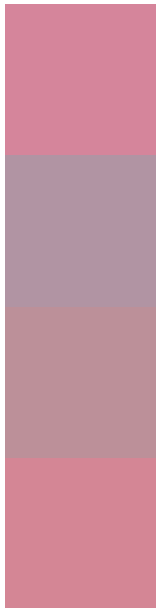
33.9677, 33.2845, 34.3400



## Tritanopia

40.9262, 33.3693, 31.0719

# Trichromacy



## Original Color

41.7445, 33.2877, 35.2353

## Protanomaly

35.3322, 33.1713, 39.1908

## Deuteranomaly

36.4621, 32.9378, 34.5729

## Tritanomaly

41.1013, 33.2172, 32.6791

# Monochromacy



## Original Color

41.7445, 33.2877, 35.2353

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

35.6683, 33.8650, 37.0044

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.7445, 33.2877, 35.2353 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(213, 133, 155)` looks like.

```
.text, #text, p{  
    color:rgb(213, 133, 155)  
}
```

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(213, 133, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 133, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 41.7445, 33.2877, 35.2353 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(213, 133, 155) }
```



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

```
.border{ border-color:rgb(213, 133, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 133, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 133, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 133, 155);  
box-shadow:4px 4px 4px 4px rgb(213, 133,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.7445, 33.2877, 35.2353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 133, 155) }
```

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

```
.background{ background-color: rgb(213,  
133, 155) }
```

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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