

# Converting Colors

XYZ(60.2215, 68.7645, 40.2359)

Have a look what the booklet for  
XYZ(60.2215, 68.7645, 40.2359)  
contains.

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# Color

**XYZ(60.2215, 68.7645,  
40.2359)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | D9DD99                      |
| RGB         | 217, 221, 153               |
| RGB Percent | 85%, 87%, 60%               |
| CMY         | 0.1490, 0.1333, 0.4000      |
| CMYK        | 0.02, 0.00, 0.31, 0.13      |
| HSL         | 64°, 50%, 73%               |
| HSV         | 64°, 31%, 87%               |
| XYZ         | 60.2215, 68.7645, 40.2359   |
| YIQ         | 212.0520, 19.4440, -21.9960 |

# Conversions

## Conversions Part 2

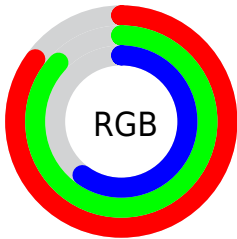
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">153, 221, 157</a>                  |
| Decimal                             | <a href="#">14278041</a>                       |
| CIELab                              | <a href="#">86.39, -11.88, 33.01</a>           |
| CIELCh                              | <a href="#">86, 35.082, 109.793</a>            |
| Yxy                                 | <a href="#">68.7645, 0.3559,<br/>0.4064</a>    |
| Android<br>(android.graphics.Color) | <a href="#">4292468121<br/>(0xFFD9DD99)</a>    |
| YUV                                 | <a href="#">212.0520, -29.1126,<br/>4.3394</a> |
| Hunter-Lab                          | <a href="#">82.9244, -15.4870,<br/>29.2788</a> |

# Details

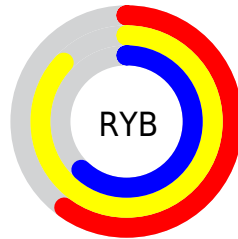
The XYZ color **60.2215, 68.7645, 40.2359** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.3496, 35.1728, 73.1783**, and the grayscale version is **62.7938, 66.0639, 71.9436**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **30.6831, 35.7891, 17.6027** is the 20% darker color. If you saturate the color by 10%, you get **58.1779, 67.9049, 31.4785**, and if you desaturate by 10%, it is **62.6097, 69.7671, 50.7769**.

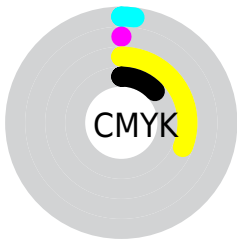
# Distribution



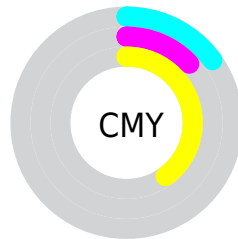
- Red (85%)
- Green (87%)
- Blue (60%)



- Red (60%)
- Yellow (87%)
- Blue (62%)



- Cyan (2%)
- Magenta (0%)
- Yellow (31%)
- Black (13%)



- Cyan (15%)
- Magenta (13%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.2215, 68.7645, 40.2359 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 60.2215, 68.7645, 40.2359 by changing the saturation by 10% instead.



60.2215, 68.7645,  
40.2359

60.2215, 68.7645,  
40.2359

415.2354,  
456.1999, 362.6985

43.8473, 50.5199,  
27.4073

104.2554,  
117.4451, 76.7636

30.7479, 35.8267,  
17.6442

132.6459,  
148.6500, 101.2998

20.5578, 24.3004,  
10.5281

165.7725,  
184.9438, 130.5757

12.9118, 15.5566,  
5.6403

204.0007,  
226.7109, 165.0097

7.4444, 9.2109,  
2.5624

247.6957,  
274.3356, 205.0205

3.7903, 4.8790,  
0.8730

297.2229,

1.5842, 2.1765,

328.2025, 251.0265

0.0000

352.9477,  
388.6958, 303.4463

0.3821, 0.7071,  
0.0000

0.0000, 0.0000,  
0.0000

60.2215, 68.7645,  
40.2359

60.2215, 68.7645,  
40.2359

58.1779, 67.9049,  
31.4785

62.6097, 69.7671,  
50.7769

56.4551, 67.1716,  
24.4019

65.3547, 70.9103,  
63.1881

55.0342, 66.5595,  
18.8995

68.4742, 72.2036,  
77.5556

53.8924, 66.0593,  
14.8508

71.9833, 73.6532,  
93.9588

■ 53.0034, 65.6606,  
12.1178

■ 74.4963, 74.7048,  
105.1008

■ 52.3361, 65.3509,  
10.5362

■ 74.9002, 74.9129,  
105.1197

■ 51.8672, 65.1241,  
9.8365

■ 75.3071, 75.1227,  
105.1388

■ 75.7172, 75.3341,  
105.1580

■ 76.1303, 75.5471,  
105.1773

# Harmonies

## Analogous

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



68.1597, 68.7645, 38.9732



60.2215, 68.7645, 40.2359



54.1630, 68.7645, 49.5953

# Triad

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



60.2215, 68.7645, 40.2359



55.8043, 68.7645, 114.3997



81.9297, 68.7645, 83.0649

# Complementary

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



60.2215, 68.7645, 40.2359



38.3496, 35.1728, 73.1783

# 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.



77.9995, 68.7645, 107.5442



60.2215, 68.7645, 40.2359



62.6353, 68.7645, 127.9572

# Square

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



60.2215, 68.7645, 40.2359



51.7626, 68.7645, 91.0283



70.7798, 68.7645, 125.2173



81.1485, 68.7645, 60.7517



# Rectangle

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



60.2215, 68.7645, 40.2359



51.7956, 68.7645, 60.4883



70.7798, 68.7645, 125.2173



81.1040, 68.7645, 91.3742

# Sweetspot

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



60.2232, 68.7676, 40.2374



91.0770, 98.3536, 90.5650



47.5266, 41.5852, 35.6598



19.3655, 20.9982, 18.7958



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.



60.2232, 68.7676, 40.2374



81.3872, 94.3021, 47.4692



51.2803, 64.1573, 39.8188



14.0825, 15.2228, 13.9216



30.1630, 37.8471, 5.7155



1.9776, 2.4640, 0.3714



# Inverse Universe

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



38.3496, 35.1728, 73.1783



46.5031, 40.7170, 100.0159



45.7798, 39.0032, 73.5260



12.4093, 12.6536, 16.4405



7.7094, 3.0985, 39.9301



0.5250, 0.2139, 2.5881



# Previews

## White Background



This preview shows how the XYZ color 60.2215, 68.7645, 40.2359 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

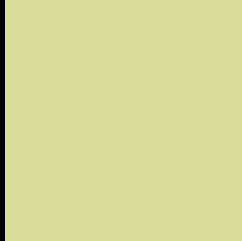
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.2215, 68.7645, 40.2359 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

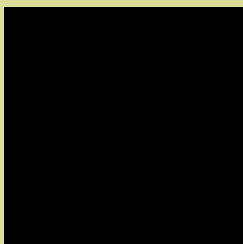
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

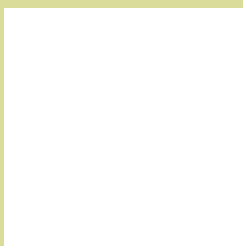
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 60.2215, 68.7645, 40.2359**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.2215, 68.7645, 40.2359.



This preview shows how white text looks on a background with the XYZ color 60.2215, 68.7645,



# 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

60.2215, 68.7645, 40.2359

### Protanopia

63.7461, 68.6697, 39.1730

### Deuteranopia

69.7244, 68.3543, 41.8666



## Tritanopia

68.6619, 68.3587, 82.9745

# Trichromacy



## Original Color

60.2215, 68.7645, 40.2359

## Protanomaly

62.4175, 68.7407, 39.6843

## Deuteranomaly

65.8199, 68.1880, 41.1450

## Tritanomaly

65.2745, 68.5059, 65.0410

# Monochromacy



## Original Color

60.2215, 68.7645, 40.2359

## Achromatopsia

62.5785, 65.8375, 71.6970

## Achromatomaly

61.4360, 66.6586, 58.9186

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.2215, 68.7645, 40.2359 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, 221, 153)` looks like.

```
.text, #text, p{  
    color:rgb(217, 221, 153)  
}
```

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, 221, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 221, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 60.2215, 68.7645, 40.2359 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, 221, 153) }
```



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

```
.border{ border-color:rgb(217, 221, 153) }
```

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

Here you see how a box with a 4 pixel rgb(217, 221, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 221, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 221, 153);  
box-shadow:4px 4px 4px 4px rgb(217, 221,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.2215, 68.7645, 40.2359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 221, 153) }
```

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

```
.background{ background-color: rgb(217,  
221, 153) }
```

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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