

# Converting Colors

XYZ(59.6788, 67.6076, 32.0817)

Have a look what the booklet for  
XYZ(59.6788, 67.6076, 32.0817)  
contains.

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# Color

**XYZ(59.7365, 67.5242,  
32.0753)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFDA85
RGB	223, 218, 133
RGB Percent	87%, 85%, 52%
CMY	0.1255, 0.1451, 0.4784
CMYK	0.00, 0.02, 0.40, 0.13
HSL	57°, 58%, 70%
HSV	57°, 40%, 87%
XYZ	59.7365, 67.5242, 32.0753
YIQ	209.8050, 30.2650, -25.3750

# Conversions

## Conversions Part 2

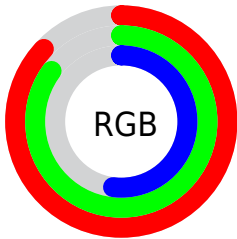
<b>Format</b>	<b>Color</b>
<b>RYB</b>	138, 223, 133
Decimal	14670469
CIELab	85.77, -10.37, 42.39
CIELCh	86, 43.635, 103.742
Yxy	67.5242, 0.3749, 0.4238
Android (android.graphics.Color)	4292860549 (0xFFDFDA85)
YUV	209.8050, -37.8649, 11.5720
Hunter-Lab	82.1731, -14.0407, 34.3780

# Details

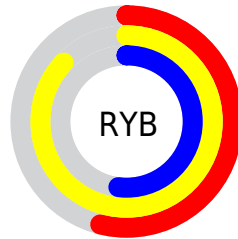
The XYZ color **59.7365, 67.5242, 32.0753** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **32.0806, 28.4905, 73.6205**, and the grayscale version is **61.3587, 64.5541, 70.2994**.

A 20% lighter version of the original color is **85.9696, 96.3679, 61.0835**, and **30.3461, 34.9106, 13.1216** is the 20% darker color. If you saturate the color by 10%, you get **58.0375, 66.3354, 24.6983**, and if you desaturate by 10%, it is **61.7683, 68.8548, 41.1784**.

# Distribution



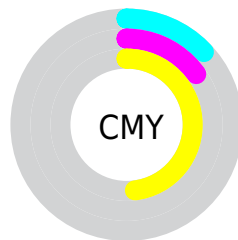
- Red (87%)
- Green (85%)
- Blue (52%)



- Red (54%)
- Yellow (87%)
- Blue (52%)



- Cyan (0%)
- Magenta (2%)
- Yellow (40%)
- Black (13%)



- Cyan (13%)
- Magenta (15%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 59.7365, 67.5242, 32.0753 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 59.7365, 67.5242, 32.0753 by changing the saturation by 10% instead.



■ 59.7365, 67.5242,  
32.0753

■ 59.7365, 67.5242,  
32.0753

413.4762,  
451.8084, 325.9654

■ 43.4549, 49.5107,  
21.1537

■ 103.5559,  
115.6712, 64.0284

■ 30.4383, 35.0248,  
13.0441

■ 131.8243,  
146.5736, 85.8970

■ 20.3212, 23.6820,  
7.3278

■ 164.8192,  
182.5410, 112.2517

■ 12.7384, 15.0979,  
3.5864

202.9058,  
223.9579, 143.5110

■ 7.3244, 8.8881,  
1.4013

246.4494,  
271.2087, 180.0935

■ 3.7139, 4.6683,  
0.1427

295.8154,

■ 1.5416, 2.0540,

324.6778, 222.4177

0.0000

351.3692,  
384.7496, 270.9022

■ 0.3539, 0.6386,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 59.7365, 67.5242,  
32.0753

■ 59.7365, 67.5242,  
32.0753

■ 58.0375, 66.3354,  
24.6983

■ 61.7683, 68.8548,  
41.1784

■ 56.6454, 65.2708,  
18.9331


■ 64.1471, 70.3256,  
52.1038


■ 55.5387, 64.3242,  
14.6587


■ 66.8919, 71.9466,  
64.9453


■ 54.6906, 63.4848,  
11.7347


■ 70.0193, 73.7246,  
79.7895


 54.0695, 62.7400,  
9.9944


 73.5447, 75.6656,  
96.7172

 53.6326, 62.0903,  
9.1579

 75.5233, 76.9918,  
105.4881

 75.8600, 77.6650,  
105.6003

 76.1990, 78.3431,  
105.7134

 76.5405, 79.0261,  
105.8272

# Harmonies

## Analogous

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



69.6923, 67.5242, 32.4351



59.7365, 67.5242, 32.0753



51.8271, 67.5242, 40.5876

# Triad

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



59.7365, 67.5242, 32.0753



51.3133, 67.5242, 118.3430



84.3784, 67.5242, 89.9724

# Complementary

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



59.7365, 67.5242, 32.0753



32.0806, 28.4905, 73.6205

# 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.



78.3540, 67.5242, 120.6966



59.7365, 67.5242, 32.0753



58.9658, 67.5242, 139.7534

# Square

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



59.7365, 67.5242, 32.0753



47.3151, 67.5242, 87.3379



68.8380, 67.5242, 140.7117



84.6398, 67.5242, 61.2465



# Rectangle

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



59.7365, 67.5242, 32.0753



48.4900, 67.5242, 51.8274



68.8380, 67.5242, 140.7117



82.9341, 67.5242, 100.5570

# Sweetspot

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



59.7382, 67.5273, 32.0767



89.9695, 97.1048, 84.8070



43.4797, 34.3279, 28.7613



19.1487, 20.7210, 17.6424



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

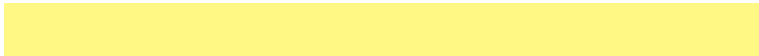


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



59.7382, 67.5273, 32.0767



79.0772, 90.2048, 35.2891



50.3890, 64.6594, 32.0159



14.8032, 15.8924, 14.5941



31.5632, 36.5642, 5.3940



2.2080, 2.5748, 0.3806



# Inverse Universe

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



32.0806, 28.4905, 73.6205



36.9494, 30.7532, 98.5963



38.7207, 30.8743, 73.7307



13.0128, 13.3647, 17.2815



7.9375, 3.3446, 41.2756

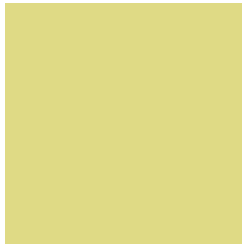


0.5720, 0.2755, 2.8683



# Previews

## White Background



This preview shows how the XYZ color 59.7365, 67.5242, 32.0753 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

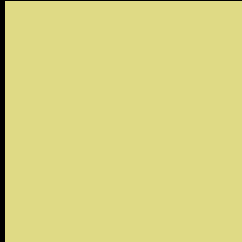
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 59.7365, 67.5242, 32.0753 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 59.7365, 67.5242, 32.0753**

## **Background**



This preview shows how black text looks on a background with the XYZ color 59.7365, 67.5242, 32.0753.



This preview shows how white text looks on a background with the XYZ color 59.7365, 67.5242,



# 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

59.7365, 67.5242, 32.0753

### Protanopia

62.1431, 67.2515, 31.5353

### Deuteranopia

68.4221, 67.4469, 36.2004



## Tritanopia

69.2364, 67.2770, 79.1486

# Trichromacy



## Original Color

59.7365, 67.5242, 32.0753

## Protanomaly

61.0984, 67.0898, 31.5592

## Deuteranomaly

64.8165, 67.0710, 34.7291

## Tritanomaly

64.9016, 66.9643, 58.2199

# Monochromacy



## Original Color

59.7365, 67.5242, 32.0753

## Achromatopsia

61.2578, 64.4480, 70.1838

## Achromatomaly

60.2621, 65.4130, 53.7058

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 59.7365, 67.5242, 32.0753 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(223, 218, 133)` looks like.

```
.text, #text, p{  
    color:rgb(223, 218, 133)  
}
```

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(223, 218, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 218, 133) }
```

## Border

The CSS property to change the border of an element to XYZ 59.7365, 67.5242, 32.0753 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(223, 218, 133) }
```



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

```
.border{ border-color:rgb(223, 218, 133) }
```

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

Here you see how a box with a 4 pixel rgb(223, 218, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 218, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 218, 133);  
box-shadow:4px 4px 4px 4px rgb(223, 218,  
133) }
```

# Background

The CSS property to change the background color of an element to XYZ 59.7365, 67.5242, 32.0753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 218, 133) }
```

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

```
.background{ background-color: rgb(223,  
218, 133) }
```

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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