

# Converting Colors

XYZ(56.6420, 67.4096, 33.0691)

Have a look what the booklet for  
XYZ(56.6420, 67.4096, 33.0691)  
contains.

<b>XYZ(56.7889, 67.5471, 32.9665)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(56.7889, 67.5471,  
32.9665)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D1DE87
RGB	209, 222, 135
RGB Percent	82%, 87%, 53%
CMY	0.1804, 0.1294, 0.4706
CMYK	0.06, 0.00, 0.39, 0.13
HSL	69°, 57%, 70%
HSV	69°, 39%, 87%
XYZ	56.7889, 67.5471, 32.9665
YIQ	208.1950, 20.1790, -29.8130

# Conversions

## Conversions Part 2

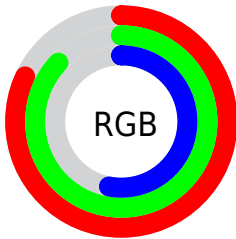
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 222, 148
Decimal	13753991
CIELab	85.78, -17.58, 41.18
CIELCh	86, 44.779, 113.115
Yxy	67.5471, 0.3610, 0.4294
Android (android.graphics.Color)	4291944071 (0xFFD1DE87)
YUV	208.1950, -36.0851, 0.7060
Hunter-Lab	82.1870, -20.4889, 33.7488

# Details

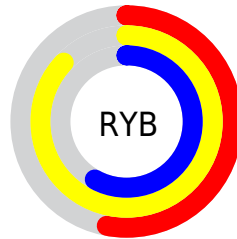
The XYZ color **56.7889, 67.5471, 32.9665** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **34.0641, 28.8996, 72.8939**, and the grayscale version is **60.2998, 63.4401, 69.0863**.

A 20% lighter version of the original color is **86.1853, 96.4541, 62.2192**, and **28.5169, 35.0343, 13.4429** is the 20% darker color. If you saturate the color by 10%, you get **54.4574, 66.5095, 25.5318**, and if you desaturate by 10%, it is **59.4692, 68.7312, 42.1214**.

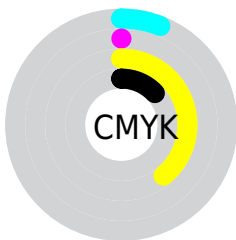
# Distribution



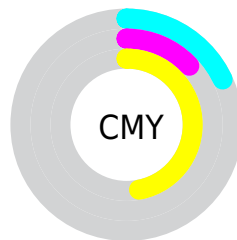
- Red (82%)
- Green (87%)
- Blue (53%)



- Red (53%)
- Yellow (87%)
- Blue (58%)



- Cyan (6%)
- Magenta (0%)
- Yellow (39%)
- Black (13%)




- Cyan (18%)
- Magenta (13%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.7889, 67.5471, 32.9665 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 56.7889, 67.5471, 32.9665 by changing the saturation by 10% instead.





 56.7889, 67.5471,  
32.9665

 56.7889, 67.5471,  
32.9665


402.6848,  
451.8897, 330.1261


 41.0753, 49.5294,  
21.8299


 99.2902, 115.7040,  
65.4386

 28.5658, 35.0396,  
13.5348


 126.8086,  
146.6120, 87.6112

 18.8952, 23.6934,  
7.6628


 158.9927,  
182.5854, 114.2995

 11.6982, 15.1063,  
3.7953

196.2077,  
224.0089, 145.9222

 6.6092, 8.8940,  
1.5137

238.8191,  
271.2666, 182.8976

 3.2631, 4.6721,  
0.2281


287.1921,

 1.2944, 2.0562,


324.7431, 225.6443


0.0000


341.6923,  
384.8226, 274.5810

 0.1790, 0.6398,  
0.0000


 0.0000, 0.0000,  
0.0000


 56.7889, 67.5471,  
32.9665


 56.7889, 67.5471,  
32.9665

 54.4574, 66.5095,  
25.5318

 59.4692, 68.7312,  
42.1214


 52.4493, 65.6012,  
19.7056


 62.5122, 70.0603,  
53.0904


 50.7433, 64.8159,  
15.3695


 65.9367, 71.5443,  
65.9659

 49.3134, 64.1433,  
12.3873


 69.7592, 73.1897,  
80.8326

 48.1290, 63.5711,  
10.5979


 73.9947, 75.0027,  
97.7701

 47.1407, 63.0795,  
9.7427

 76.4577, 76.1090,  
105.2685

 47.0641, 63.0412,  
9.6876

 77.5263, 76.6599,  
105.3185

 78.6153, 77.2213,  
105.3695

 79.7247, 77.7932,  
105.4214

# Harmonies

## Analogous

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



66.5873, 67.5471, 30.6153



56.7889, 67.5471, 32.9665



49.7260, 67.5471, 44.6649

# Triad

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



56.7889, 67.5471, 32.9665



53.1097, 67.5471, 128.3973



85.7638, 67.5471, 80.5058

# Complementary

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



56.7889, 67.5471, 32.9665



34.0641, 28.8996, 72.8939

# 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.



81.2445, 67.5471, 112.7817



56.7889, 67.5471, 32.9665



61.8733, 67.5471, 144.8011

# Square

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



56.7889, 67.5471, 32.9665



47.7646, 67.5471, 97.9384



72.2326, 67.5471, 138.4345



84.0332, 67.5471, 53.5846



# Rectangle

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



56.7889, 67.5471, 32.9665



47.1672, 67.5471, 58.3757



72.2326, 67.5471, 138.4345



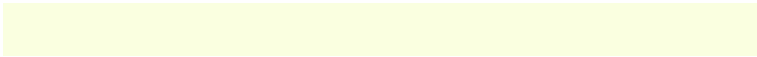
84.9105, 67.5471, 91.1432

# Sweetspot

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



56.7906, 67.5501, 32.9679



88.8460, 97.3263, 84.9089



44.8713, 38.0240, 27.8970



18.8825, 20.7737, 17.6667



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.



56.7906, 67.5501, 32.9679



75.0969, 91.2925, 36.6403



46.4121, 62.1998, 32.4822



14.6599, 15.9204, 14.6071



28.0285, 37.4818, 5.7574



1.9982, 2.6266, 0.4017



# Inverse Universe

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



34.0641, 28.8996, 72.8939



39.8842, 31.3685, 98.5603



43.1112, 33.5635, 73.3173



13.1418, 13.3411, 17.2701



8.2653, 3.3562, 41.2605



0.6335, 0.2639, 2.8628



# Previews

## White Background



This preview shows how the XYZ color 56.7889, 67.5471, 32.9665 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 56.7889, 67.5471, 32.9665 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

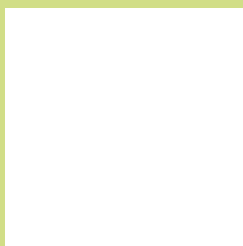
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 56.7889, 67.5471, 32.9665**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.7889, 67.5471, 32.9665.



This preview shows how white text looks on a background with the XYZ color 56.7889, 67.5471,

32.9665.

# 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

56.7889, 67.5471, 32.9665

### Protanopia

62.1431, 67.2515, 31.5353

### Deuteranopia

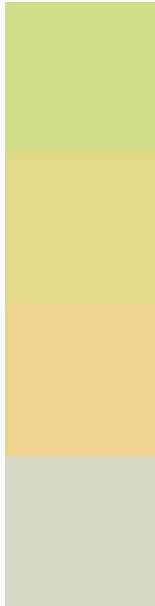
68.2596, 66.9980, 36.5284



## Tritanopia

66.8131, 67.4056, 82.8879

# Trichromacy



## Original Color

56.7889, 67.5471, 32.9665

## Protanomaly

60.0978, 67.3267, 32.0182

## Deuteranomaly

63.4366, 66.7187, 35.1257

## Tritanomaly

62.3569, 67.0948, 60.7030

# Monochromacy



## Original Color

56.7889, 67.5471, 32.9665

## Achromatopsia

59.9535, 63.0757, 68.6895

## Achromatomaly

58.1472, 64.3346, 53.0692

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.7889, 67.5471, 32.9665 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(209, 222, 135)` looks like.

```
.text, #text, p{  
    color:rgb(209, 222, 135)  
}
```

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(209, 222, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 222, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 56.7889, 67.5471, 32.9665 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(209, 222, 135) }
```



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

```
.border{ border-color:rgb(209, 222, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 222, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 222, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 222, 135);  
box-shadow:4px 4px 4px 4px rgb(209, 222,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.7889, 67.5471, 32.9665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 222, 135) }
```

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

```
.background{ background-color: rgb(209,  
222, 135) }
```

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