

# Converting Colors

XYZ(56.1627, 66.9173, 36.4254)

Have a look what the booklet for  
XYZ(56.1627, 66.9173, 36.4254)  
contains.

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# Color

**XYZ(56.0673, 66.7057,  
36.3060)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDDD90
RGB	205, 221, 144
RGB Percent	80%, 87%, 56%
CMY	0.1961, 0.1333, 0.4353
CMYK	0.07, 0.00, 0.35, 0.13
HSL	72°, 53%, 72%
HSV	72°, 35%, 87%
XYZ	56.0673, 66.7057, 36.3060
YIQ	207.4380, 15.1810, -27.3390

# Conversions

## Conversions Part 2

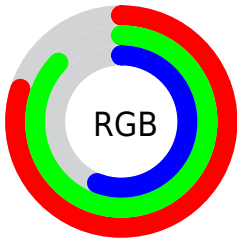
Format	Color
<a href="#">RYB</a>	<a href="#">144, 221, 160</a>
Decimal	<a href="#">13491600</a>
CIELab	<a href="#">85.36, -17.54, 36.06</a>
CIELCh	<a href="#">85, 40.103, 115.938</a>
Yxy	<a href="#">66.7057, 0.3524, 0.4193</a>
Android (android.graphics.Color)	<a href="#">4291681680 (0xFFCDDD90)</a>
YUV	<a href="#">207.4380, -31.2749, -2.1381</a>
Hunter-Lab	<a href="#">81.6736, -20.3920, 30.8156</a>

# Details

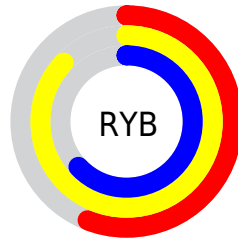
The XYZ color **56.0673, 66.7057, 36.3060** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.5243, 32.6424, 72.7334**, and the grayscale version is **59.7809, 62.8942, 68.4918**.

A 20% lighter version of the original color is **87.3088, 96.9035, 68.1354**, and **28.1457, 34.5292, 15.3066** is the 20% darker color. If you saturate the color by 10%, you get **53.2928, 65.4539, 28.2055**, and if you desaturate by 10%, it is **59.2131, 68.1149, 46.1525**.

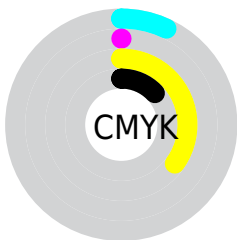
# Distribution



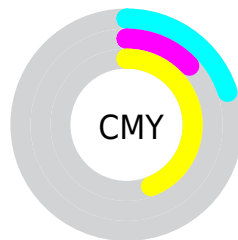
- Red (80%)
- Green (87%)
- Blue (56%)



- Red (56%)
- Yellow (87%)
- Blue (63%)



- Cyan (7%)
- Magenta (0%)
- Yellow (35%)
- Black (13%)




- Cyan (20%)
- Magenta (13%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.0673, 66.7057, 36.3060 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 56.0673, 66.7057, 36.3060 by changing the saturation by 10% instead.





 56.0673, 66.7057,  
36.3060


 56.0673, 66.7057,  
36.3060

400.0160,  
448.8965, 345.3738

 40.4941, 48.8455,  
24.3791


 98.2422, 114.4986,  
70.6785

 28.1099, 34.4969,  
15.4002


 125.5746,  
145.2001, 93.9611

 18.5494, 23.2756,  
8.9510


157.5575,  
180.9508, 121.8660

 11.4472, 14.7972,  
4.6129

194.5562,  
222.1351, 154.8117

 6.4380, 8.6771,  
1.9672

236.9360,  
269.1375, 193.2168

 3.1564, 4.5312,  
0.5350

285.0623,

 1.2370, 1.9749,

322.3422, 237.4998

0.0000

339.3005,  
382.1338, 288.0793

■ 0.1353, 0.5928,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 56.0673, 66.7057,  
36.3060

■ 56.0673, 66.7057,  
36.3060

■ 53.2928, 65.4539,  
28.2055

■ 59.2131, 68.1149,  
46.1525

■ 50.8648, 64.3427,  
21.7447

■ 62.7433, 69.6798,  
57.8347

■ 48.7633, 63.3664,  
16.8124

■ 66.6763, 71.4103,  
71.4409

■ 46.9639, 62.5150,  
13.2817

■ 71.0281, 73.3127,  
87.0528

■ 45.4383, 61.7774,  
11.0052

■ 75.8133, 75.3929,  
104.7471

■ 44.1519, 61.1395,  
9.8029

■ 77.3695, 76.1859,  
105.2353

■ 43.5524, 60.8377,  
9.4474

■ 78.8852, 76.9673,  
105.3062

■ 80.4401, 77.7689,  
105.3790

■ 82.0347, 78.5909,  
105.4536

# Harmonies

## Analogous

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



64.6465, 66.7057, 33.2995



56.0673, 66.7057, 36.3060



50.0095, 66.7057, 48.0704

# Triad

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



56.0673, 66.7057, 36.3060



54.1169, 66.7057, 122.4305



82.4611, 66.7057, 76.2308

# Complementary

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



56.0673, 66.7057, 36.3060



37.5243, 32.6424, 72.7334

# Split Complementary

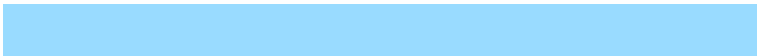
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.9939, 66.7057, 104.3914



56.0673, 66.7057, 36.3060



62.1731, 66.7057, 134.7980

# Square

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



56.0673, 66.7057, 36.3060



48.9612, 66.7057, 96.7719



71.3495, 66.7057, 127.5158



80.4345, 66.7057, 52.8814



# Rectangle

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



56.0673, 66.7057, 36.3060



47.9285, 66.7057, 61.1468



71.3495, 66.7057, 127.5158



81.8913, 66.7057, 85.4703

# Sweetspot

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



56.0690, 66.7087, 36.3074



89.2896, 97.4737, 88.6035



47.3223, 42.3218, 32.0613



18.9484, 20.7915, 18.4022



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.



56.0690, 66.7087, 36.3074



74.6163, 90.9346, 41.5949



46.8503, 61.9563, 35.8760



13.8834, 15.1202, 13.9123



25.3956, 35.3894, 5.4924



1.7133, 2.3278, 0.3590



# Inverse Universe

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



37.5243, 32.6424, 72.7334



45.2367, 36.9325, 99.3522



46.2891, 37.1608, 73.1436



12.5903, 12.7469, 16.4490



8.3106, 3.4085, 39.9583



0.6106, 0.2580, 2.5921



# Previews

## White Background



This preview shows how the XYZ color 56.0673, 66.7057, 36.3060 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 56.0673, 66.7057, 36.3060 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

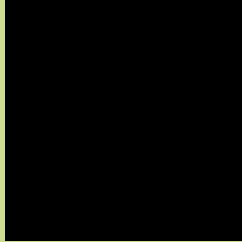
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 56.0673, 66.7057, 36.3060

## Background



This preview shows how black text looks on a background with the XYZ color 56.0673, 66.7057, 36.3060.



This preview shows how white text looks on a background with the XYZ color 56.0673, 66.7057,



# 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

56.0673, 66.7057, 36.3060

### Protanopia

61.5570, 66.5005, 34.7908

### Deuteranopia

67.8112, 66.3947, 37.2584



## Tritanopia

65.4783, 66.7335, 82.1028

# Trichromacy



## Original Color

56.0673, 66.7057, 36.3060

## Protanomaly

59.5626, 66.5943, 35.3059

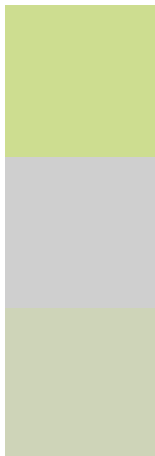
## Deuteranomaly

62.9051, 66.0326, 37.0339

## Tritanomaly

61.5299, 66.6291, 62.4411

# Monochromacy



## Original Color

56.0673, 66.7057, 36.3060

## Achromatopsia

59.3074, 62.3960, 67.9493

## Achromatomaly

57.6488, 63.6695, 54.5984

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.0673, 66.7057, 36.3060 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(205, 221, 144)` looks like.

```
.text, #text, p{  
    color:rgb(205, 221, 144)  
}
```

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(205, 221, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 221, 144) }
```

## Border

The CSS property to change the border of an element to XYZ 56.0673, 66.7057, 36.3060 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(205, 221, 144) }
```



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

```
.border{ border-color:rgb(205, 221, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 221, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 221, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 221, 144);  
box-shadow:4px 4px 4px 4px rgb(205, 221,  
144) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.0673, 66.7057, 36.3060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 221, 144) }
```

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

```
.background{ background-color: rgb(205,  
221, 144) }
```

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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