

Converting Colors

XYZ(56.0842, 68.5140, 36.0604)

Have a look what the booklet for
XYZ(56.0842, 68.5140, 36.0604)
contains.

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Color

**XYZ(56.2417, 68.7934,
36.3008)**

Conversions

Conversions Part 1

Format	Color
Hex	C9E28F
RGB	201, 226, 143
RGB Percent	79%, 89%, 56%
CMY	0.2118, 0.1137, 0.4392
CMYK	0.11, 0.00, 0.37, 0.11
HSL	78°, 59%, 72%
HSV	78°, 37%, 89%
XYZ	56.2417, 68.7934, 36.3008
YIQ	209.0630, 11.7430, -31.1130

Conversions

Conversions Part 2

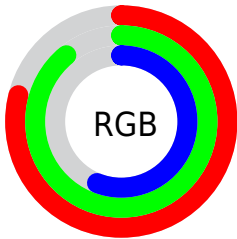
Format	Color
RYB	143, 226, 168
Decimal	13230735
CIELab	86.40, -21.62, 37.87
CIElCh	86, 43.609, 119.717
Yxy	68.7934, 0.3486, 0.4264
Android (android.graphics.Color)	4291420815 (0xFFC9E28F)
YUV	209.0630, -32.5691, -7.0713
Hunter-Lab	82.9418, -24.1097, 32.1100

Details

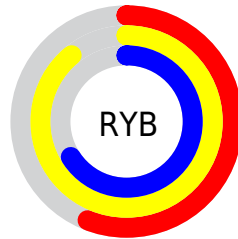
The XYZ color **56.2417, 68.7934, 36.3008** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.7011, 33.4626, 76.3218**, and the grayscale version is **60.8475, 64.0163, 69.7137**.

A 20% lighter version of the original color is **87.1930, 96.8572, 67.5258**, and **28.3053, 35.9921, 15.3529** is the 20% darker color. If you saturate the color by 10%, you get **52.9098, 67.2562, 28.0906**, and if you desaturate by 10%, it is **60.0031, 70.5165, 46.3343**.

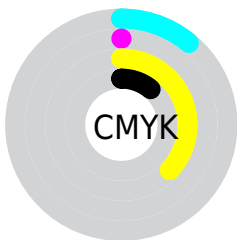
Distribution



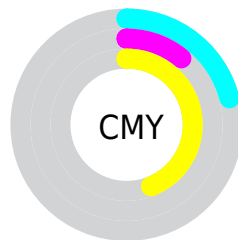
- Red (79%)
- Green (89%)
- Blue (56%)



- Red (56%)
- Yellow (89%)
- Blue (66%)



- Cyan (11%)
- Magenta (0%)
- Yellow (37%)
- Black (11%)



- Cyan (21%)
- Magenta (11%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.2417, 68.7934, 36.3008 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 56.2417, 68.7934, 36.3008 by changing the saturation by 10% instead.

 56.2417, 68.7934,
36.3008

 56.2417, 68.7934,
36.3008


400.6620,
456.3020, 345.3505

 40.6345, 50.5435,
24.3751

 98.4956, 117.4864,
70.6704

 28.2200, 35.8454,
15.3973


 125.8731,
148.6983, 93.9513

 18.6329, 24.3148,
8.9490


157.9047,
184.9997, 121.8543

 11.5077, 15.5673,
4.6116

194.9558,
226.7749, 154.7980

 6.4792, 9.2185,
1.9665

237.3917,
274.4083, 193.2010

 3.1820, 4.8840,
0.5346

285.5778,

 1.2507, 2.1794,

328.2844, 237.4816

0.0000

339.8794,
388.7875, 288.0586

0.1459, 0.7087,
0.0000

0.0000, 0.0000,
0.0000

56.2417, 68.7934,
36.3008

56.2417, 68.7934,
36.3008

52.9098, 67.2562,
28.0906

60.0031, 70.5165,
46.3343

49.9805, 65.8869,
21.5894

64.2090, 72.4245,
58.2872

47.4312, 64.6788,
16.6771

68.8798, 74.5281,
72.2543

45.2348, 63.6209,
13.2161

74.0330, 76.8343,
88.3227

■ 43.3596, 62.7003,
11.0454

■ 79.5230, 79.2851,
105.7200

■ 41.7654, 61.9008,
9.9593

■ 81.8148, 80.4666,
105.8272

■ 41.2827, 61.6567,
9.7251

■ 84.1937, 81.6930,
105.9386

■ 86.4878, 82.8757,
106.0459

Harmonies

Analogous

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



65.4819, 68.7934, 31.9811



56.2417, 68.7934, 36.3008



50.0374, 68.7934, 50.2564

Triad

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



56.2417, 68.7934, 36.3008



56.0918, 68.7934, 133.7852



86.7442, 68.7934, 75.1790

Complementary

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



56.2417, 68.7934, 36.3008



39.7011, 33.4626, 76.3218

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.



83.5905, 68.7934, 106.5248



56.2417, 68.7934, 36.3008



65.2903, 68.7934, 145.2463

Square

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



56.2417, 68.7934, 36.3008



49.9573, 68.7934, 105.9251



75.4715, 68.7934, 134.1894



83.7034, 68.7934, 50.6214

Rectangle

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



56.2417, 68.7934, 36.3008



48.1105, 68.7934, 65.4265



75.4715, 68.7934, 134.1894



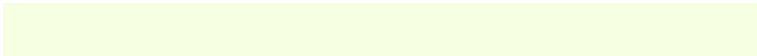
86.3692, 68.7934, 85.2559

Sweetspot

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



56.2434, 68.7964, 36.3023



87.8174, 96.7557, 86.6841



50.3086, 46.1224, 32.2385



18.6172, 20.6289, 18.0178



0.0000, 0.0000, 0.0000



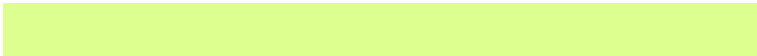
20.3446, 21.4041, 23.3091

Same Dimension

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



56.2434, 68.7964, 36.3023



70.5823, 88.9005, 39.3467



46.5739, 63.8116, 35.8497



14.4488, 15.8115, 14.5972



23.6759, 35.2379, 5.5537



1.7303, 2.4885, 0.3891

Inverse Universe

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



39.7011, 33.4626, 76.3218



45.8831, 36.1052, 99.1584



49.9602, 38.7514, 76.8020



13.3383, 13.4424, 17.2793



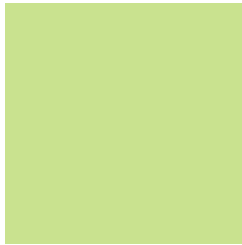
9.3000, 3.8897, 41.3090



0.7333, 0.3153, 2.8675

Previews

White Background



This preview shows how the XYZ color 56.2417, 68.7934, 36.3008 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 56.2417, 68.7934, 36.3008 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 56.2417, 68.7934, 36.3008

Background



This preview shows how black text looks on a background with the XYZ color 56.2417, 68.7934, 36.3008.



This preview shows how white text looks on a background with the XYZ color 56.2417, 68.7934,

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

56.2417, 68.7934, 36.3008

Protanopia

63.4770, 68.6380, 34.3290

Deuteranopia

69.3856, 68.2187, 40.0824



Tritanopia

66.3065, 68.5732, 86.0852

Trichromacy



Original Color

56.2417, 68.7934, 36.3008

Protanomaly

60.7582, 68.7678, 34.8822

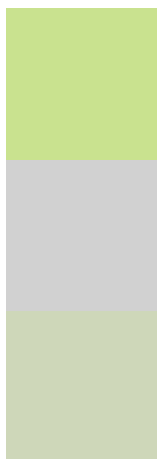
Deuteranomaly

63.8125, 67.9573, 38.6080

Tritanomaly

62.0513, 68.3885, 64.5734

Monochromacy



Original Color

56.2417, 68.7934, 36.3008

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

58.5110, 65.2255, 55.4049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.2417, 68.7934, 36.3008 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(201, 226, 143)` looks like.

```
.text, #text, p{  
    color:rgb(201, 226, 143)  
}
```

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(201, 226, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 226, 143) }
```

Border

The CSS property to change the border of an element to XYZ 56.2417, 68.7934, 36.3008 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(201, 226, 143) }
```


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

```
.border{ border-color:rgb(201, 226, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 226, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 226, 143); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 226, 143); box-shadow:4px 4px 4px 4px rgb(201, 226, 143) }
```

Background

The CSS property to change the background color of an element to XYZ 56.2417, 68.7934, 36.3008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 226, 143) }
```

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

```
.background{ background-color: rgb(201,  
226, 143) }
```

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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