

Converting Colors

XYZ(56.1919, 66.7419, 41.7091)

Have a look what the booklet for
XYZ(56.1919, 66.7419, 41.7091)
contains.

| | |
|--|----|
| XYZ(56.0296, 66.5647, 41.7935) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(56.0296, 66.5647,
41.7935)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | C9DD9D |
| RGB | 201, 221, 157 |
| RGB Percent | 79%, 87%, 62% |
| CMY | 0.2118, 0.1333, 0.3843 |
| CMYK | 0.09, 0.00, 0.29, 0.13 |
| HSL | 79°, 48%, 74% |
| HSV | 79°, 29%, 87% |
| XYZ | 56.0296, 66.5647, 41.7935 |
| YIQ | 207.7240, 8.6240, -24.1440 |

Conversions

Conversions Part 2

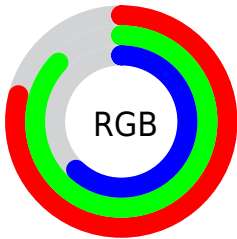
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 157, 221, 177 |
| Decimal | 13229469 |
| CIELab | 85.28, -17.33, 29.28 |
| CIELCh | 85, 34.021, 120.618 |
| Yxy | 66.5647, 0.3408, 0.4049 |
| Android (android.graphics.Color) | 4291419549 (0xFFC9DD9D) |
| YUV | 207.7240, -25.0069, -5.8969 |
| Hunter-Lab | 81.5872, -20.1936, 26.7394 |

Details

The XYZ color **56.0296, 66.5647, 41.7935** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **43.2423, 38.6834, 73.5978**, and the grayscale version is **59.9298, 63.0508, 68.6623**.

A 20% lighter version of the original color is **88.8837, 97.5335, 76.4285**, and **28.0401, 34.4033, 18.5272** is the 20% darker color. If you saturate the color by 10%, you get **52.4960, 64.9438, 32.6539**, and if you desaturate by 10%, it is **59.9915, 68.3711, 52.7373**.

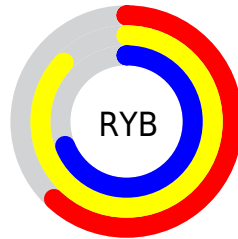
Distribution



Red (79%)

Green (87%)

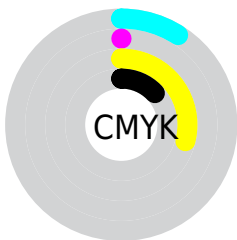
Blue (62%)



Red (62%)

Yellow (87%)

Blue (69%)

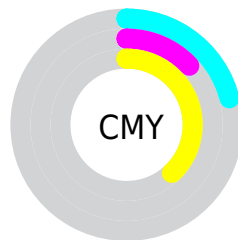


Cyan (9%)

Magenta (0%)

Yellow (29%)

Black (13%)



Cyan (21%)


Magenta (13%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.0296, 66.5647, 41.7935 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 56.0296, 66.5647, 41.7935 by changing the saturation by 10% instead.


 56.0296, 66.5647,
41.7935


 56.0296, 66.5647,
41.7935


399.8763,
448.3937, 369.4006

 40.4637, 48.7310,
28.6153


 98.1874, 114.2964,
79.1537

 28.0861, 34.4061,
18.5469


 125.5101,
144.9632, 104.1728

 18.5314, 23.2058,
11.1699


157.4824,
180.6765, 133.9759

 11.4341, 14.7455,
6.0656

194.4697,
221.8206, 168.9815

 6.4291, 8.6410,
2.8156

236.8374,
268.7800, 209.6083

 3.1508, 4.5078,
1.0013

284.9509,

 1.2340, 1.9615,

321.9391, 256.2747

0.0000

339.1753,
381.6822, 309.3993

■ 0.1330, 0.5849,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.0296, 66.5647,
41.7935

■ 56.0296, 66.5647,
41.7935

■ 52.4960, 64.9438,
32.6539

■ 59.9915, 68.3711,
52.7373

■ 49.3660, 63.4916,
25.2174

■ 64.3947, 70.3615,
65.5709

■ 46.6202, 62.2024,
19.3791

■ 69.2578, 72.5458,
80.3794

■ 44.2350, 61.0668,
15.0210

■ 74.5967, 74.9304,
97.2415

■ 42.1837, 60.0738,
12.0088

■ 78.3471, 76.6898,
105.2810

■ 40.4350, 59.2110,
10.1838

■ 80.6795, 77.8922,
105.3902

■ 38.9405, 58.4586,
9.2973

■ 83.1014, 79.1407,
105.5035

■ 38.7931, 58.3841,
9.2246

■ 85.1478, 80.1957,
105.5993

Harmonies

Analogous

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



63.1084, 66.5647, 37.8357



56.0296, 66.5647, 41.7935



51.2348, 66.5647, 53.6176

Triad

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



56.0296, 66.5647, 41.7935



56.2848, 66.5647, 116.0095



79.2403, 66.5647, 72.0218

Complementary

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



56.0296, 66.5647, 41.7935



43.2423, 38.6834, 73.5978

Split Complementary

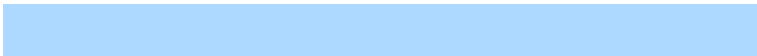
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.0511, 66.5647, 95.3108



56.0296, 66.5647, 41.7935



63.4274, 66.5647, 123.6228

Square

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



56.0296, 66.5647, 41.7935



51.3735, 66.5647, 96.2636



71.1039, 66.5647, 115.3856



76.8693, 66.5647, 52.9731

Rectangle

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



56.0296, 66.5647, 41.7935



49.7679, 66.5647, 65.7892



71.1039, 66.5647, 115.3856



79.0116, 66.5647, 79.6048

Sweetspot

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



56.0313, 66.5676, 41.7949



88.9826, 97.2738, 90.4670



51.4716, 48.9377, 38.6323



18.8466, 20.7307, 18.7715



0.0000, 0.0000, 0.0000



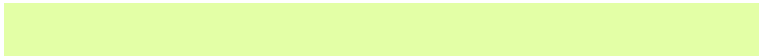
20.3446, 21.4041, 23.3091

Same Dimension

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



56.0313, 66.5676, 41.7949



74.3313, 90.6118, 49.5284



48.4788, 62.6742, 41.4415



13.7457, 15.0492, 13.9059



22.6558, 33.9770, 5.3641



1.5550, 2.2462, 0.3516

Inverse Universe

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



43.2423, 38.6834, 73.5978



53.7983, 45.8242, 100.6172



51.1792, 42.7750, 73.9693



12.7197, 12.8136, 16.4550



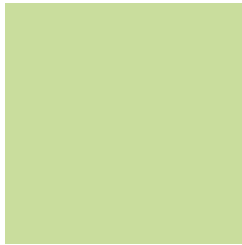
9.1136, 3.8224, 39.9959



0.6777, 0.2926, 2.5952

Previews

White Background



This preview shows how the XYZ color 56.0296, 66.5647, 41.7935 looks on a white background.

Color Contrast Check

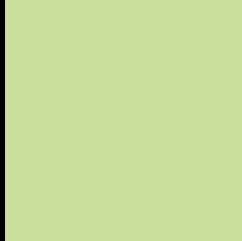
Large Text (above 18pt) WCAG AA × Fail

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 56.0296, 66.5647, 41.7935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

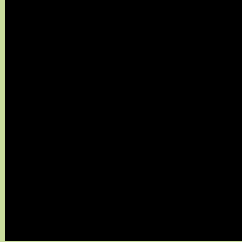
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.0296, 66.5647, 41.7935

Background



This preview shows how black text looks on a background with the XYZ color 56.0296, 66.5647, 41.7935.



This preview shows how white text looks on a background with the XYZ color 56.0296, 66.5647,

41.7935.

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

56.0296, 66.5647, 41.7935

Protanopia

61.8571, 66.5464, 39.7215

Deuteranopia

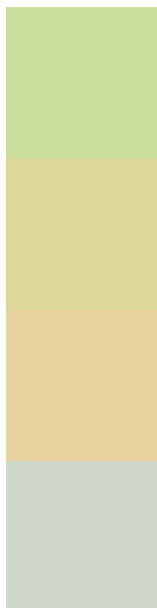
67.8095, 66.2682, 42.9353



Tritanopia

64.5503, 66.5930, 83.5803

Trichromacy



Original Color

56.0296, 66.5647, 41.7935

Protanomaly

59.6020, 66.5049, 40.2672

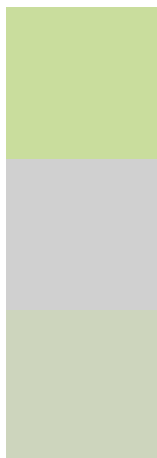
Deuteranomaly

62.9960, 65.9549, 42.6680

Tritanomaly

60.8121, 66.1781, 66.0684

Monochromacy



Original Color

56.0296, 66.5647, 41.7935

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

58.1564, 64.2418, 57.4788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.0296, 66.5647, 41.7935 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, 221, 157)` looks like.

```
.text, #text, p{  
    color:rgb(201, 221, 157)  
}
```

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, 221, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 221, 157) }
```

Border

The CSS property to change the border of an element to XYZ 56.0296, 66.5647, 41.7935 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, 221, 157) }
```


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

```
.border{ border-color:rgb(201, 221, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 221, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 221, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 221, 157); box-shadow:4px 4px 4px 4px rgb(201, 221, 157) }
```

Background

The CSS property to change the background color of an element to XYZ 56.0296, 66.5647, 41.7935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 221, 157) }
```

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

```
.background{ background-color: rgb(201,  
221, 157) }
```

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