

Converting Colors

XYZ(56.9141, 66.3991, 40.1746)

Have a look what the booklet for
XYZ(56.9141, 66.3991, 40.1746)
contains.

XYZ(56.8964, 66.2615, 40.3628)	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(56.8964, 66.2615,
40.3628)**

Conversions

Conversions Part 1

Format	Color
Hex	CFDB9A
RGB	207, 219, 154
RGB Percent	81%, 86%, 60%
CMY	0.1882, 0.1412, 0.3961
CMYK	0.05, 0.00, 0.30, 0.14
HSL	71°, 47%, 73%
HSV	71°, 30%, 86%
XYZ	56.8964, 66.2615, 40.3628
YIQ	208.0020, 13.7130, -22.7590

Conversions

Conversions Part 2

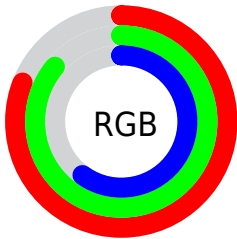
Format	Color
RYB	154, 219, 166
Decimal	13622170
CIELab	85.13, -14.51, 30.69
CIELCh	85, 33.948, 115.308
Yxy	66.2615, 0.3479, 0.4052
Android (android.graphics.Color)	4291812250 (0xFFCFDB9A)
YUV	208.0020, -26.6230, -0.8788
Hunter-Lab	81.4012, -17.6872, 27.5818

Details

The XYZ color **56.8964, 66.2615, 40.3628** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.0701, 36.3344, 71.9228**, and the grayscale version is **60.1179, 63.2487, 68.8778**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **28.6226, 34.1856, 17.6603** is the 20% darker color. If you saturate the color by 10%, you get **54.1213, 65.0249, 31.5648**, and if you desaturate by 10%, it is **60.0366, 67.6521, 50.9177**.

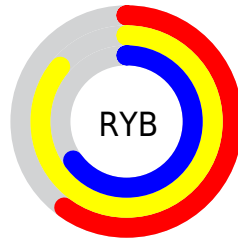
Distribution



Red (81%)

Green (86%)

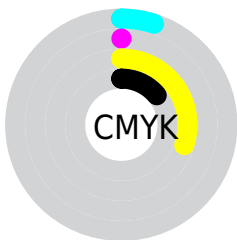
Blue (60%)



Red (60%)

Yellow (86%)

Blue (65%)

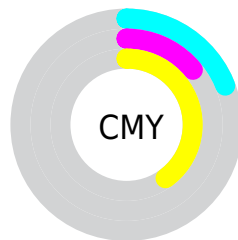


Cyan (5%)

Magenta (0%)

Yellow (30%)

Black (14%)



Cyan (19%)


Magenta (14%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.8964, 66.2615, 40.3628 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 56.8964, 66.2615, 40.3628 by changing the saturation by 10% instead.


 56.8964, 66.2615,
40.3628


 56.8964, 66.2615,
40.3628


403.0815,
447.3115, 363.2478

 41.1619, 48.4847,
27.5056


 99.4462, 113.8616,
76.9588

 28.6338, 34.2109,
17.7175


 126.9923,
144.4537, 101.5346

 18.9469, 23.0557,
10.5800


159.2062,
180.0863, 130.8538

 11.7357, 14.6346,
5.6746

196.4533,
221.1439, 165.3347

 6.6349, 8.5634,
2.5827

239.0991,
268.0108, 205.3961

 3.2791, 4.4575,
0.8835

287.5088,

 1.3030, 1.9326,

321.0714, 251.4564

0.0000

342.0478,
380.7102, 303.9341

■ 0.1855, 0.5679,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 56.8964, 66.2615,
40.3628

■ 56.8964, 66.2615,
40.3628

■ 54.1213, 65.0249,
31.5648

■ 60.0366, 67.6521,
50.9177

■ 51.6880, 63.9260,
24.4240

■ 63.5539, 69.1946,
63.3133

■ 49.5781, 62.9597,
18.8373

■ 67.4658, 70.8983,
77.6335

■ 47.7693, 62.1172,
14.6884

■ 71.7871, 72.7693,
93.9553

■ 46.2361, 61.3882,
11.8446

■ 75.1320, 74.2531,
104.9801

■ 44.9486, 60.7606,
10.1486

■ 76.4245, 74.9194,
105.0406

■ 43.8552, 60.2140,
9.3311

■ 77.7472, 75.6012,
105.1025

■ 43.8217, 60.1971,
9.3096

■ 79.1002, 76.2988,
105.1658

■ 80.4839, 77.0121,
105.2306

Harmonies

Analogous

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



64.1909, 66.2615, 37.7701



56.8964, 66.2615, 40.3628



51.6391, 66.2615, 50.7219

Triad

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



56.8964, 66.2615, 40.3628



54.9703, 66.2615, 112.6402



78.8126, 66.2615, 75.6498

Complementary

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



56.8964, 66.2615, 40.3628



40.0701, 36.3344, 71.9228

Split Complementary

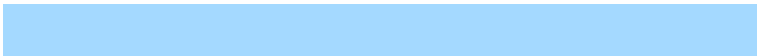
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



75.8695, 66.2615, 98.8891



56.8964, 66.2615, 40.3628



61.7836, 66.2615, 122.8250

Square

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



56.8964, 66.2615, 40.3628



50.5918, 66.2615, 91.7034



69.4816, 66.2615, 117.3434



77.2404, 66.2615, 55.5905

Rectangle

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



56.8964, 66.2615, 40.3628



49.7914, 66.2615, 61.9786



69.4816, 66.2615, 117.3434



78.3122, 66.2615, 83.3720

Sweetspot

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



56.8981, 66.2644, 40.3642



90.0304, 97.8140, 90.5161



48.6695, 44.6372, 36.6234



19.1059, 20.8644, 18.7836



0.0000, 0.0000, 0.0000



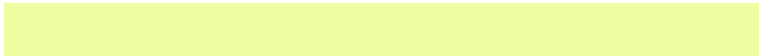
20.3446, 21.4041, 23.3091

Same Dimension

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



56.8981, 66.2644, 40.3642



77.6643, 92.3567, 48.4776



48.7523, 62.0651, 39.9830



13.9142, 15.1360, 13.9138



26.0690, 35.7366, 5.5239



1.7513, 2.3474, 0.3608

Inverse Universe

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



40.0701, 36.3344, 71.9228



50.0409, 43.2072, 100.3101



47.7426, 40.2897, 72.2819



12.5619, 12.7323, 16.4476



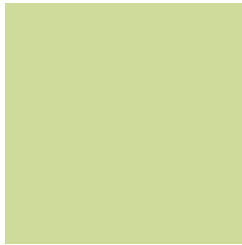
8.1780, 3.3401, 39.9521



0.5973, 0.2512, 2.5914

Previews

White Background



This preview shows how the XYZ color 56.8964, 66.2615, 40.3628 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 56.8964, 66.2615, 40.3628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

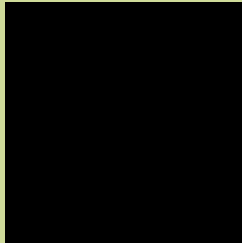
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

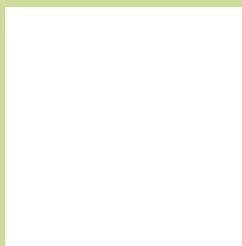
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.8964, 66.2615, 40.3628

Background



This preview shows how black text looks on a background with the XYZ color 56.8964, 66.2615, 40.3628.



This preview shows how white text looks on a background with the XYZ color 56.8964, 66.2615,

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

56.8964, 66.2615, 40.3628

Protanopia

61.4425, 65.9793, 38.7751

Deuteranopia

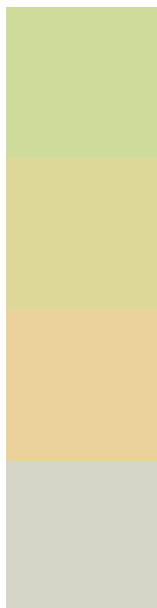
67.4623, 66.1293, 41.1069



Tritanopia

65.3893, 66.3359, 81.3092

Trichromacy



Original Color

56.8964, 66.2615, 40.3628

Protanomaly

59.7867, 66.2400, 39.3403

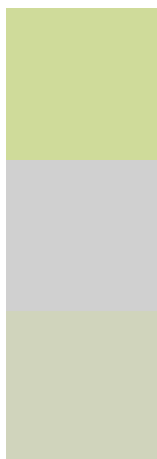
Deuteranomaly

63.0622, 65.6634, 40.8031

Tritanomaly

61.6601, 65.9048, 64.1146

Monochromacy



Original Color

56.8964, 66.2615, 40.3628

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

58.6330, 64.1277, 56.8645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.8964, 66.2615, 40.3628 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(207, 219, 154)` looks like.

```
.text, #text, p{  
    color:rgb(207, 219, 154)  
}
```

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(207, 219, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 219, 154) }
```

Border

The CSS property to change the border of an element to XYZ 56.8964, 66.2615, 40.3628 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(207, 219, 154) }
```


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

```
.border{ border-color:rgb(207, 219, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 219, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 219, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 219, 154);  
box-shadow:4px 4px 4px 4px rgb(207, 219,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 56.8964, 66.2615, 40.3628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 219, 154) }
```

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

```
.background{ background-color: rgb(207,  
219, 154) }
```

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