

Converting Colors

XYZ(46.4148, 55.3427, 21.3593)

Have a look what the booklet for
XYZ(46.4148, 55.3427, 21.3593)
contains.

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Color

**XYZ(46.3603, 55.3135,
21.3298)**

Conversions

Conversions Part 1

Format	Color
Hex	C3CB68
RGB	195, 203, 104
RGB Percent	76%, 80%, 41%
CMY	0.2353, 0.2039, 0.5921
CMYK	0.04, 0.00, 0.49, 0.20
HSL	65°, 49%, 60%
HSV	65°, 49%, 80%
XYZ	46.3603, 55.3135, 21.3298
YIQ	189.3220, 27.0110, -32.4850

Conversions

Conversions Part 2

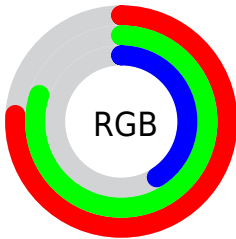
Format	Color
RYB	104, 203, 112
Decimal	12831592
CIELab	79.22, -16.85, 48.02
CIELCh	79, 50.891, 109.338
Yxy	55.3135, 0.3769, 0.4497
Android (android.graphics.Color)	4291021672 (0xFFC3CB68)
YUV	189.3220, -42.0637, 4.9796
Hunter-Lab	74.3730, -18.8852, 35.0571

Details

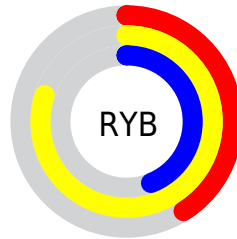
The XYZ color **46.3603, 55.3135, 21.3298** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.4139, 17.6585, 58.7304**, and the grayscale version is **48.7781, 51.3183, 55.8857**.

A 20% lighter version of the original color is **82.3538, 94.8370, 45.8631**, and **22.0375, 27.2409, 7.4647** is the 20% darker color. If you saturate the color by 10%, you get **45.0295, 54.7344, 16.5180**, and if you desaturate by 10%, it is **47.9466, 55.9993, 27.4514**.

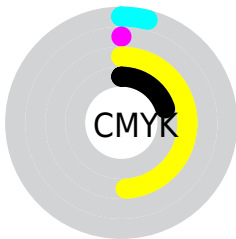
Distribution



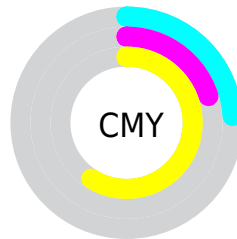
- Red (76%)
- Green (80%)
- Blue (41%)



- Red (41%)
- Yellow (80%)
- Blue (44%)



- Cyan (4%)
- Magenta (0%)
- Yellow (49%)
- Black (20%)



- Cyan (24%)
- Magenta (20%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3603, 55.3135, 21.3298 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 46.3603, 55.3135, 21.3298 by changing the saturation by 10% instead.

■ 46.3603, 55.3135,
21.3298

■ 46.3603, 55.3135,
21.3298

362.9470,
407.0992, 271.8644

■ 32.7361, 39.6528,
13.1717

■ 83.9825, 98.0001,
46.5237

■ 22.0826, 27.2679,
7.4148

■ 108.7112,
125.7948, 64.3965

■ 14.0345, 17.7745,
3.6405

■ 137.8721,
158.4030, 86.3447

■ 8.2266, 10.7882,
1.4303

■ 171.8306,
196.2090, 112.7867

■ 4.2933, 5.9246,
0.1651

210.9519,
239.5972, 144.1412

■ 1.8694, 2.7993,
0.0000

255.6015,

■ 0.5589, 1.0279,

288.9520, 180.8266

0.0000

306.1448,
344.6579, 223.2615

■ 0.0000, 0.0000,
0.0000

■ 46.3603, 55.3135,
21.3298

■ 46.3603, 55.3135,
21.3298

■ 45.0295, 54.7344,
16.5180

■ 47.9466, 55.9993,
27.4514

■ 43.9322, 54.2473,
12.9170

■ 49.8009, 56.7908,
34.9651

■ 43.0490, 53.8464,
10.4197


■ 51.9393, 57.6965,
43.9507


■ 42.3558, 53.5220,
8.8986


■ 54.3757, 58.7220,
54.4810


■ 41.8135, 53.2585,
8.1479


■ 57.1230, 59.8723,
66.6238

 41.7505, 53.2275,
8.0735

 60.1933, 61.1525,
80.4430

 63.5982, 62.5670,
95.9991

 65.4569, 63.3635,
103.3882

 65.9212, 63.6029,
103.4099

Harmonies

Analogous

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



56.2757, 55.3135, 20.2509



46.3603, 55.3135, 21.3298



39.0908, 55.3135, 30.6076

Triad

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



46.3603, 55.3135, 21.3298



40.8329, 55.3135, 113.4852



74.2293, 55.3135, 71.1951

Complementary

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



46.3603, 55.3135, 21.3298



22.4139, 17.6585, 58.7304

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.



68.8475, 55.3135, 104.5888



46.3603, 55.3135, 21.3298



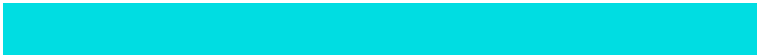
49.0379, 55.3135, 133.7368

Square

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



46.3603, 55.3135, 21.3298



36.1957, 55.3135, 80.7419



59.3191, 55.3135, 130.0391



73.2698, 55.3135, 43.5194

Rectangle

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



46.3603, 55.3135, 21.3298



36.3164, 55.3135, 42.5472



59.3191, 55.3135, 130.0391



73.0771, 55.3135, 82.2301

Sweetspot

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



46.3616, 55.3160, 21.3310



88.3631, 97.1948, 79.5785



32.7701, 24.9792, 16.1917



18.7326, 20.7275, 16.2572



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.



46.3616, 55.3160, 21.3310



75.1916, 91.5559, 26.9527



35.8714, 49.9081, 20.8400



12.0609, 13.0488, 11.9624



26.6047, 33.8905, 5.1393



1.3996, 1.7623, 0.2664

Inverse Universe

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



22.4139, 17.6585, 58.7304



30.3539, 20.9940, 97.0602



30.2488, 21.6976, 59.0971



10.6844, 10.8866, 14.1086



7.0320, 2.8327, 36.1324



0.3926, 0.1615, 1.8654

Previews

White Background



This preview shows how the XYZ color 46.3603, 55.3135, 21.3298 looks on a white background.

Color Contrast Check

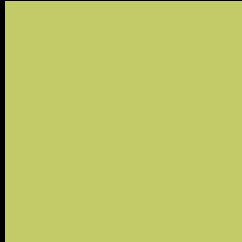
Large Text (above 18pt) WCAG AA × Fail

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 46.3603, 55.3135, 21.3298 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 46.3603, 55.3135, 21.3298

Background



This preview shows how black text looks on a background with the XYZ color 46.3603, 55.3135, 21.3298.



This preview shows how white text looks on a background with the XYZ color 46.3603, 55.3135,

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

46.3603, 55.3135, 21.3298

Protanopia

50.4571, 55.0381, 20.5344

Deuteranopia

56.4123, 55.1486, 21.8589



Tritanopia

55.5657, 55.3261, 66.7819

Trichromacy



Original Color

46.3603, 55.3135, 21.3298

Protanomaly

48.8840, 55.2360, 20.9171

Deuteranomaly

52.4643, 55.0488, 21.7702

Tritanomaly

51.3527, 54.9387, 45.9279

Monochromacy



Original Color

46.3603, 55.3135, 21.3298

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

46.9492, 52.1286, 39.9351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3603, 55.3135, 21.3298 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(195, 203, 104)` looks like.

```
.text, #text, p{  
    color:rgb(195, 203, 104)  
}
```

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(195, 203, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 203, 104) }
```

Border

The CSS property to change the border of an element to XYZ 46.3603, 55.3135, 21.3298 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(195, 203, 104) }
```


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

```
.border{ border-color:rgb(195, 203, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 203, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 203, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 203, 104);  
box-shadow:4px 4px 4px 4px rgb(195, 203,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3603, 55.3135, 21.3298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 203, 104) }
```

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

```
.background{ background-color: rgb(195,  
203, 104) }
```

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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