

Converting Colors

XYZ(45.1611, 55.1133, 29.1575)

Have a look what the booklet for
XYZ(45.1611, 55.1133, 29.1575)
contains.

XYZ(45.3222, 55.3149, 29.0570)	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(45.3222, 55.3149,
29.0570)**

Conversions

Conversions Part 1

Format	Color
Hex	B7CD81
RGB	183, 205, 129
RGB Percent	72%, 80%, 51%
CMY	0.2824, 0.1961, 0.4941
CMYK	0.11, 0.00, 0.37, 0.20
HSL	77°, 43%, 65%
HSV	77°, 37%, 80%
XYZ	45.3222, 55.3149, 29.0570
YIQ	189.7580, 11.2840, -28.3000

Conversions

Conversions Part 2

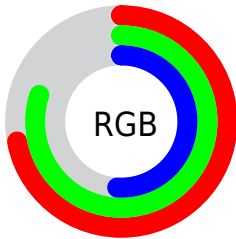
Format	Color
R _Y B	129, 205, 151
Decimal	12045697
CIE Lab	79.22, -19.82, 35.41
CIE LCh	79, 40.580, 119.229
Yxy	55.3149, 0.3495, 0.4265
Android (android.graphics.Color)	4290235777 (0xFFB7CD81)
YUV	189.7580, -29.9537, -5.9268
Hunter-Lab	74.3740, -21.3797, 28.8979

Details

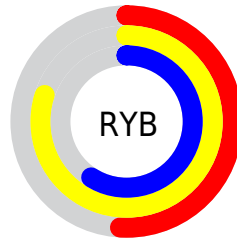
The XYZ color **45.3222, 55.3149, 29.0570** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **31.6344, 26.6891, 61.2449**, and the grayscale version is **48.9678, 51.5180, 56.1030**.

A 20% lighter version of the original color is **80.2424, 93.4642, 58.6109**, and **21.4950, 27.3504, 11.3540** is the 20% darker color. If you saturate the color by 10%, you get **42.7123, 54.1132, 22.5215**, and if you desaturate by 10%, it is **48.2679, 56.6616, 37.0375**.

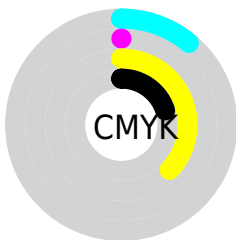
Distribution



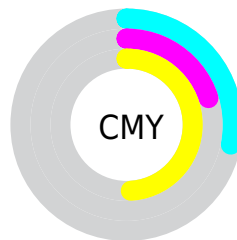
- Red (72%)
- Green (80%)
- Blue (51%)



- Red (51%)
- Yellow (80%)
- Blue (59%)



- Cyan (11%)
- Magenta (0%)
- Yellow (37%)
- Black (20%)



- Cyan (28%)
- Magenta (20%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.3222, 55.3149, 29.0570 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 45.3222, 55.3149, 29.0570 by changing the saturation by 10% instead.

■ 45.3222, 55.3149,
29.0570

■ 45.3222, 55.3149,
29.0570

358.8387,
407.1045, 311.5532

■ 31.9136, 39.6539,
18.8780

■ 82.4378, 98.0022,
59.2109

■ 21.4508, 27.2688,
11.4062

■ 106.8755,
125.7972, 80.0229

■ 13.5682, 17.7752,
6.2232

■ 135.7204,
158.4058, 105.2163

■ 7.9007, 10.7887,
2.9103

169.3377,
196.2122, 135.2096

■ 4.0827, 5.9249,
1.0490

208.0928,
239.6009, 170.4214

■ 1.7490, 2.7995,
0.0000

252.3511,

■ 0.4867, 1.0280,

288.9562, 211.2702

0.0000

302.4780,
344.6626, 258.1746

■ 0.0000, 0.0000,
0.0000

■ 45.3222, 55.3149,
29.0570

■ 45.3222, 55.3149,
29.0570

■ 42.7123, 54.1132,
22.5215

■ 48.2679, 56.6616,
37.0375

■ 40.4168, 53.0421,
17.3408

■ 51.5609, 58.1523,
46.5388

■ 38.4181, 52.0964,
13.4201


■ 55.2173, 59.7955,
57.6358


■ 36.6950, 51.2676,
10.6510


■ 59.2510, 61.5966,
70.3973


■ 35.2225, 50.5456,
8.9067


■ 63.6748, 63.5610,
84.8881


 33.9676, 49.9171,
8.0170

 68.5011, 65.6937,
101.1696

 33.6245, 49.7440,
7.8294

 70.7932, 66.8201,
103.7741

 72.6711, 67.7881,
103.8620

 74.6139, 68.7897,
103.9529

Harmonies

Analogous

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



52.7852, 55.3149, 25.6999



45.3222, 55.3149, 29.0570



40.2824, 55.3149, 40.1477

Triad

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



45.3222, 55.3149, 29.0570



44.9939, 55.3149, 107.3278



69.7600, 55.3149, 60.8312

Complementary

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



45.3222, 55.3149, 29.0570



31.6344, 26.6891, 61.2449

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.



67.1443, 55.3149, 86.0878



45.3222, 55.3149, 29.0570



52.3657, 55.3149, 116.8305

Square

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



45.3222, 55.3149, 29.0570



40.1070, 55.3149, 84.7743



60.5633, 55.3149, 108.2132



67.3915, 55.3149, 40.9469

Rectangle

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



45.3222, 55.3149, 29.0570



38.6956, 55.3149, 52.2621



60.5633, 55.3149, 108.2132



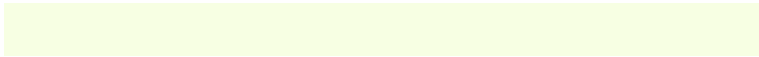
69.4305, 55.3149, 68.9660

Sweetspot

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



45.3236, 55.3174, 29.0582



87.9333, 96.8154, 86.6895



40.1329, 36.5492, 25.7091



18.6449, 20.6432, 18.0191



0.0000, 0.0000, 0.0000



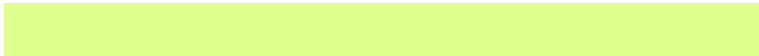
20.3446, 21.4041, 23.3091

Same Dimension

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



45.3236, 55.3174, 29.0582



70.9850, 89.1082, 39.3655



37.5551, 51.3125, 28.6946



11.8251, 12.9272, 11.9514



21.0296, 31.0165, 4.8784



1.1578, 1.6377, 0.2551

Inverse Universe

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



31.6344, 26.6891, 61.2449



45.5857, 35.9519, 99.1445



39.7424, 30.8689, 61.6244



10.9018, 10.9987, 14.1187



8.0784, 3.3721, 36.1814



0.4929, 0.2132, 1.8701

Previews

White Background



This preview shows how the XYZ color 45.3222, 55.3149, 29.0570 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 45.3222, 55.3149, 29.0570 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

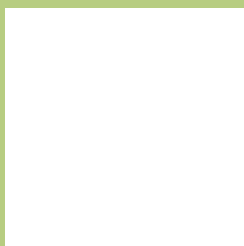
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.3222, 55.3149, 29.0570

Background



This preview shows how black text looks on a background with the XYZ color 45.3222, 55.3149, 29.0570.



This preview shows how white text looks on a background with the XYZ color 45.3222, 55.3149,

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

45.3222, 55.3149, 29.0570

Protanopia

50.8822, 55.1067, 27.3569

Deuteranopia

55.9356, 54.7265, 29.8055



Tritanopia

53.5211, 55.2027, 69.4623

Trichromacy



Original Color

45.3222, 55.3149, 29.0570

Protanomaly

48.5464, 54.9098, 27.7786

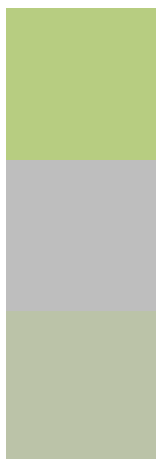
Deuteranomaly

51.4810, 54.6966, 29.6740

Tritanomaly

49.9991, 55.1302, 51.7220

Monochromacy



Original Color

45.3222, 55.3149, 29.0570

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.0765, 52.4222, 44.6831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3222, 55.3149, 29.0570 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(183, 205, 129)` looks like.

```
.text, #text, p{  
    color:rgb(183, 205, 129)  
}
```

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(183, 205, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 205, 129) }
```

Border

The CSS property to change the border of an element to XYZ 45.3222, 55.3149, 29.0570 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(183, 205, 129) }
```


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

```
.border{ border-color:rgb(183, 205, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 205, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 205, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 205, 129);  
box-shadow:4px 4px 4px 4px rgb(183, 205,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3222, 55.3149, 29.0570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 205, 129) }
```

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

```
.background{ background-color: rgb(183,  
205, 129) }
```

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