

Converting Colors

XYZ(55.0079, 68.5503, 28.0545)

Have a look what the booklet for
XYZ(55.0079, 68.5503, 28.0545)
contains.

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Color

**XYZ(55.2164, 68.8508,
28.1486)**

Conversions

Conversions Part 1

Format	Color
Hex	CAE378
RGB	202, 227, 120
RGB Percent	79%, 89%, 47%
CMY	0.2078, 0.1098, 0.5294
CMYK	0.11, 0.00, 0.47, 0.11
HSL	74°, 66%, 68%
HSV	74°, 47%, 89%
XYZ	55.2164, 68.8508, 28.1486
YIQ	207.3270, 19.4470, -38.5770

Conversions

Conversions Part 2

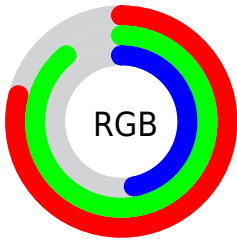
Format	Color
RYB	120, 227, 145
Decimal	13296504
CIELab	86.43, -24.31, 49.20
CIELCh	86, 54.873, 116.293
Yxy	68.8508, 0.3628, 0.4523
Android (android.graphics.Color)	4291486584 (0xFFCAE378)
YUV	207.3270, -43.0522, -4.6718
Hunter-Lab	82.9764, -26.4263, 37.9701

Details

The XYZ color **55.2164, 68.8508, 28.1486** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **32.2612, 25.0005, 75.8023**, and the grayscale version is **59.7810, 62.8942, 68.4918**.

A 20% lighter version of the original color is **84.6400, 95.8360, 54.0816**, and **27.6500, 36.0334, 10.9667** is the 20% darker color. If you saturate the color by 10%, you get **52.5886, 67.6391, 21.6673**, and if you desaturate by 10%, it is **58.2235, 70.2247, 36.3550**.

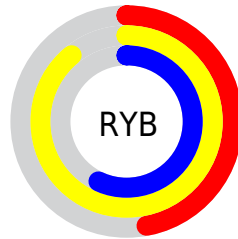
Distribution



Red (79%)

Green (89%)

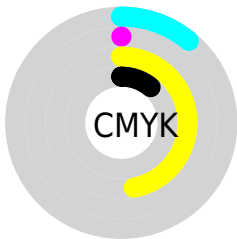
Blue (47%)



Red (47%)

Yellow (89%)

Blue (57%)

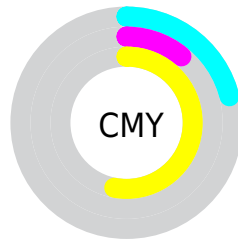


Cyan (11%)

Magenta (0%)

Yellow (47%)

Black (11%)



Cyan (21%)

Magenta (11%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.2164, 68.8508, 28.1486 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 55.2164, 68.8508, 28.1486 by changing the saturation by 10% instead.

■ 55.2164, 68.8508,
28.1486

■ 55.2164, 68.8508,
28.1486

396.8548,
456.5046, 307.1105

■ 39.8095, 50.5902,
18.1977

■ 97.0044, 117.5684,
57.7476

■ 27.5736, 35.8826,
10.9211

■ 124.1163,
148.7943, 78.2327

■ 18.1433, 24.3435,
5.9003

■ 155.8605,
185.1107, 103.0663

■ 11.1532, 15.5886,
2.7167

192.6025,
226.9020, 132.6669

■ 6.2380, 9.2335,
0.9518

234.7075,
274.5527, 167.4531

■ 3.0324, 4.8938,
0.0000

282.5410,

■ 1.1709, 2.1851,

328.4471, 207.8434

0.0000

336.4683,
388.9696, 254.2564

■ 0.0832, 0.7119,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 55.2164, 68.8508,
28.1486

■ 55.2164, 68.8508,
28.1486

■ 52.5886, 67.6391,
21.6673

■ 58.2235, 70.2247,
36.3550

■ 50.3111, 66.5708,
16.7831


■ 61.6265, 71.7604,
46.3935


■ 48.3587, 65.6380,
13.3578


■ 65.4469, 73.4688,
58.3676


■ 46.6995, 64.8281,
11.2272


■ 69.7032, 75.3574,
72.3717


 45.2923, 64.1245,
10.1768


 74.4125, 77.4332,
88.4942

 44.9165, 63.9349,
9.9733

 79.3963, 79.6248,
105.7922

 81.1626, 80.5353,
105.8749

 82.9814, 81.4729,
105.9600

 84.8533, 82.4379,
106.0476

Harmonies

Analogous

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



67.0308, 68.8508, 24.6204



55.2164, 68.8508, 28.1486



47.1689, 68.8508, 42.4899

Triad

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



55.2164, 68.8508, 28.1486



52.8125, 68.8508, 149.4196



92.9343, 68.8508, 79.5759

Complementary

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



55.2164, 68.8508, 28.1486



32.2612, 25.0005, 75.8023

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.



87.9097, 68.8508, 120.8170



55.2164, 68.8508, 28.1486



63.8758, 68.8508, 168.5569

Square

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



55.2164, 68.8508, 28.1486



45.9121, 68.8508, 110.3770



76.8549, 68.8508, 156.6894



89.8442, 68.8508, 48.0775

Rectangle

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



55.2164, 68.8508, 28.1486



44.4826, 68.8508, 59.5978



76.8549, 68.8508, 156.6894



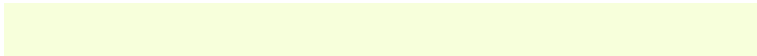
92.1232, 68.8508, 92.7740

Sweetspot

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



55.2181, 68.8539, 28.1501



86.8227, 96.3622, 81.2488



45.1915, 37.9296, 22.7095



18.3343, 20.5146, 16.5814



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.



55.2181, 68.8539, 28.1501



68.3843, 88.0155, 28.0366



43.1710, 62.6434, 27.5863



15.2551, 16.6386, 15.3120



26.3016, 37.3405, 5.8212



2.0236, 2.8006, 0.4339

Inverse Universe

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



32.2612, 25.0005, 75.8023



35.0230, 24.1913, 97.4312



43.9959, 31.0499, 76.3514



13.8965, 14.0489, 18.1236



9.0294, 3.7207, 42.6254



0.7480, 0.3166, 3.1537

Previews

White Background



This preview shows how the XYZ color 55.2164, 68.8508, 28.1486 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 55.2164, 68.8508, 28.1486 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 55.2164, 68.8508, 28.1486

Background



This preview shows how black text looks on a background with the XYZ color 55.2164, 68.8508, 28.1486.



This preview shows how white text looks on a background with the XYZ color 55.2164, 68.8508,

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

55.2164, 68.8508, 28.1486

Protanopia

62.9681, 68.5498, 26.4357

Deuteranopia

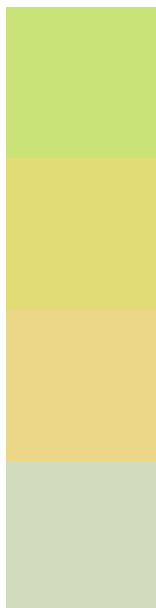
69.0623, 68.4783, 37.1814



Tritanopia

66.7893, 68.4616, 85.2955

Trichromacy



Original Color

55.2164, 68.8508, 28.1486

Protanomaly

59.8554, 68.4783, 26.8925

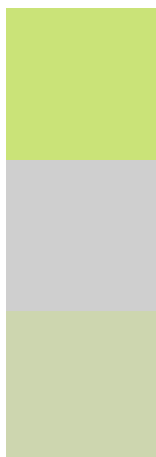
Deuteranomaly

63.4079, 68.2399, 33.4966

Tritanomaly

61.5995, 68.2735, 59.2217

Monochromacy



Original Color

55.2164, 68.8508, 28.1486

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

56.9613, 64.1674, 49.9408

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2164, 68.8508, 28.1486 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(202, 227, 120)` looks like.

```
.text, #text, p{  
    color:rgb(202, 227, 120)  
}
```

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(202, 227, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 227, 120) }
```

Border

The CSS property to change the border of an element to XYZ 55.2164, 68.8508, 28.1486 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(202, 227, 120) }
```


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

```
.border{ border-color:rgb(202, 227, 120) }
```

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

Here you see how a box with a 4 pixel rgb(202, 227, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 227, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 227, 120);  
box-shadow:4px 4px 4px 4px rgb(202, 227,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2164, 68.8508, 28.1486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 227, 120) }
```

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

```
.background{ background-color: rgb(202,  
227, 120) }
```

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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