

Converting Colors

XYZ(55.6012, 68.6459, 33.1767)

Have a look what the booklet for
XYZ(55.6012, 68.6459, 33.1767)
contains.

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Color

**XYZ(55.6569, 68.5595,
33.2215)**

Conversions

Conversions Part 1

Format	Color
Hex	C9E287
RGB	201, 226, 135
RGB Percent	79%, 89%, 53%
CMY	0.2118, 0.1137, 0.4706
CMYK	0.11, 0.00, 0.40, 0.11
HSL	76°, 61%, 71%
HSV	76°, 40%, 89%
XYZ	55.6569, 68.5595, 33.2215
YIQ	208.1510, 14.3110, -33.6010

Conversions

Conversions Part 2

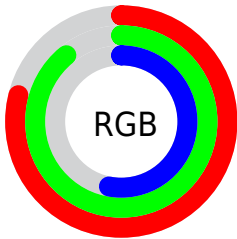
Format	Color
RYB	135, 226, 160
Decimal	13230727
CIELab	86.29, -22.58, 41.71
CIELCh	86, 47.430, 118.425
Yxy	68.5595, 0.3535, 0.4355
Android (android.graphics.Color)	4291420807 (0xFFC9E287)
YUV	208.1510, -36.0634, -6.2714
Hunter-Lab	82.8007, -24.9171, 34.1720

Details

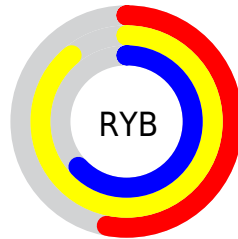
The XYZ color **55.6569, 68.5595, 33.2215** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **36.8913, 30.2943, 75.8585**, and the grayscale version is **60.2738, 63.4127, 69.0565**.

A 20% lighter version of the original color is **86.1853, 96.4541, 62.2192**, and **27.9783, 35.8613, 13.6309** is the 20% darker color. If you saturate the color by 10%, you get **52.5963, 67.1487, 25.6357**, and if you desaturate by 10%, it is **59.1262, 70.1464, 42.5922**.

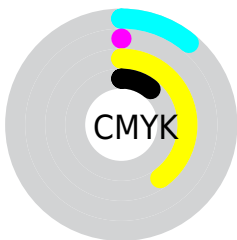
Distribution



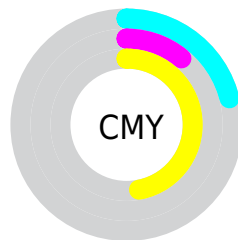
- Red (79%)
- Green (89%)
- Blue (53%)



- Red (53%)
- Yellow (89%)
- Blue (63%)



- Cyan (11%)
- Magenta (0%)
- Yellow (40%)
- Black (11%)



- Cyan (21%)
- Magenta (11%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.6569, 68.5595, 33.2215 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 55.6569, 68.5595, 33.2215 by changing the saturation by 10% instead.


 55.6569, 68.5595,
33.2215

 55.6569, 68.5595,
33.2215


398.4932,
455.4758, 331.3092


 40.1638, 50.3530,
22.0237


 97.6455, 117.1522,
65.8412

 27.8511, 35.6940,
13.6758


 124.8717,
148.3072, 88.1001

 18.3533, 24.1980,
7.7594


 156.7396,
184.5472, 114.8832

 11.3052, 15.4805,
3.8558

193.6147,
226.2566, 146.6089

 6.3413, 9.1573,
1.5466

235.8623,
273.8198, 183.6958

 3.0963, 4.8439,
0.2523

283.8476,

 1.2049, 2.1560,

327.6211, 226.5625

0.0000

337.9362,
388.0450, 275.6274

0.1102, 0.6958,
0.0000

0.0000, 0.0000,
0.0000

55.6569, 68.5595,
33.2215

55.6569, 68.5595,
33.2215

52.5963, 67.1487,
25.6357

59.1262, 70.1464,
42.5922

49.9170, 65.8957,
19.7168


63.0195, 71.9084,
53.8470


47.5958, 64.7935,
15.3397


67.3574, 73.8562,
67.0832


45.6045, 63.8308,
12.3594


72.1577, 75.9970,
82.3897


 43.9093, 62.9941,
10.6038

 77.4370, 78.3376,
99.8505

 42.4880, 62.2781,
9.7815

 80.5953, 79.8380,
105.7702

 82.7196, 80.9331,
105.8696

 84.9166, 82.0657,
105.9724

 86.4879, 82.8757,
106.0460

Harmonies

Analogous

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



65.7435, 68.5595, 29.1783



55.6569, 68.5595, 33.2215



48.8386, 68.5595, 47.3452

Triad

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



55.6569, 68.5595, 33.2215



54.7605, 68.5595, 138.6182



88.5281, 68.5595, 76.3173

Complementary

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



55.6569, 68.5595, 33.2215



36.8913, 30.2943, 75.8585

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.



84.7731, 68.5595, 110.8364



55.6569, 68.5595, 33.2215



64.5874, 68.5595, 152.4936

Square

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



55.6569, 68.5595, 33.2215



48.3633, 68.5595, 107.1466



75.6959, 68.5595, 141.1341



85.4638, 68.5595, 49.4934

Rectangle

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



55.6569, 68.5595, 33.2215



46.6560, 68.5595, 63.2050



75.6959, 68.5595, 141.1341



88.0142, 68.5595, 87.3986

Sweetspot

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



55.6586, 68.5626, 33.2230



87.4829, 96.6236, 84.8451



48.1837, 42.8082, 28.6458



18.5601, 20.6076, 17.6516



0.0000, 0.0000, 0.0000



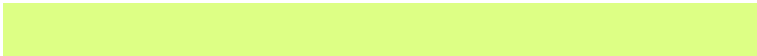
20.3446, 21.4041, 23.3091

Same Dimension

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



55.6586, 68.5626, 33.2230



69.8968, 88.6323, 35.4695



45.3273, 63.2366, 32.7395



14.4853, 15.8304, 14.5989



24.3580, 35.5895, 5.5857



1.7732, 2.5106, 0.3911

Inverse Universe

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



36.8913, 30.2943, 75.8585



42.1576, 32.0179, 98.5659



47.5064, 35.7666, 76.3552



13.3038, 13.4246, 17.2777



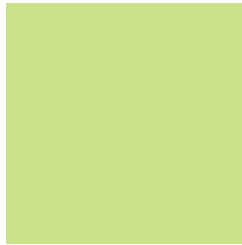
9.0669, 3.7695, 41.2981



0.7135, 0.3051, 2.8665

Previews

White Background



This preview shows how the XYZ color 55.6569, 68.5595, 33.2215 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 55.6569, 68.5595, 33.2215 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

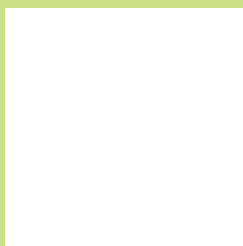
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 55.6569, 68.5595, 33.2215

Background



This preview shows how black text looks on a background with the XYZ color 55.6569, 68.5595, 33.2215.

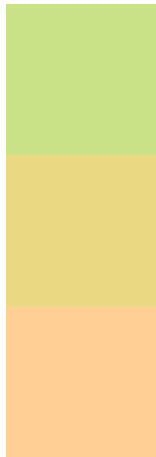


This preview shows how white text looks on a background with the XYZ color 55.6569, 68.5595,

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

55.6569, 68.5595, 33.2215

Protanopia

62.9136, 68.4126, 31.3618

Deuteranopia

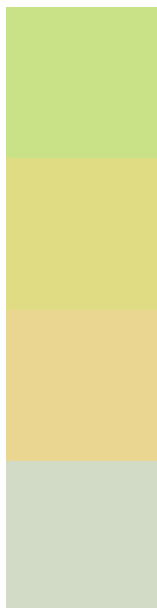
69.0578, 68.0877, 38.3567



Tritanopia

66.3065, 68.5732, 86.0852

Trichromacy



Original Color

55.6569, 68.5595, 33.2215

Protanomaly

60.1895, 68.5403, 31.8871

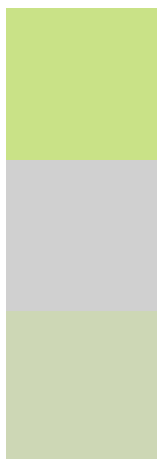
Deuteranomaly

63.4184, 67.7996, 36.5322

Tritanomaly

61.7041, 68.2496, 62.7447

Monochromacy



Original Color

55.6569, 68.5595, 33.2215

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

57.8178, 64.9162, 53.1988

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6569, 68.5595, 33.2215 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, 226, 135)` looks like.

```
.text, #text, p{  
    color:rgb(201, 226, 135)  
}
```

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, 226, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 226, 135) }
```

Border

The CSS property to change the border of an element to XYZ 55.6569, 68.5595, 33.2215 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, 226, 135) }
```


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

```
.border{ border-color:rgb(201, 226, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 226, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 226, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 226, 135);  
box-shadow:4px 4px 4px 4px rgb(201, 226,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6569, 68.5595, 33.2215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 226, 135) }
```

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

```
.background{ background-color: rgb(201,  
226, 135) }
```

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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