

# Converting Colors

XYZ(55.1378, 74.1614, 29.1417)

Have a look what the booklet for  
XYZ(55.1378, 74.1614, 29.1417)  
contains.

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# Color

**XYZ(55.2893, 74.3676,  
29.2096)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BCF078
RGB	188, 240, 120
RGB Percent	74%, 94%, 47%
CMY	0.2627, 0.0588, 0.5294
CMYK	0.22, 0.00, 0.50, 0.06
HSL	86°, 80%, 71%
HSV	86°, 50%, 94%
XYZ	55.2893, 74.3676, 29.2096
YIQ	210.7720, 7.5280, -48.3440

# Conversions

## Conversions Part 2

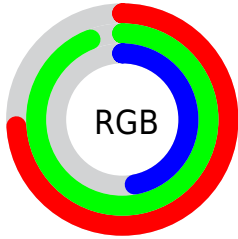
Format	Color
<a href="#">RYB</a>	<a href="#">120, 240, 172</a>
Decimal	<a href="#">12382328</a>
CIELab	<a href="#">89.10, -35.61, 52.21</a>
CIELCh	<a href="#">89, 63.201, 124.298</a>
Yxy	<a href="#">74.3676, 0.3480, 0.4681</a>
Android (android.graphics.Color)	<a href="#">4290572408 (0xFFBCF078)</a>
YUV	<a href="#">210.7720, -44.7506, -19.9710</a>
Hunter-Lab	<a href="#">86.2367, -36.4716, 40.2833</a>

# Details

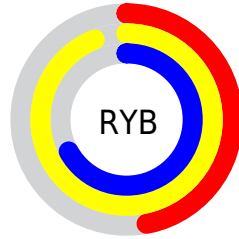
The XYZ color **55.2893, 74.3676, 29.2096** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.4610, 28.4969, 85.8629**, and the grayscale version is **62.0506, 65.2821, 71.0922**.

A 20% lighter version of the original color is **81.5039, 94.2080, 54.4457**, and **27.6693, 39.5918, 11.4938** is the 20% darker color. If you saturate the color by 10%, you get **51.5413, 72.5855, 22.3609**, and if you desaturate by 10%, it is **59.5906, 76.3974, 37.9925**.

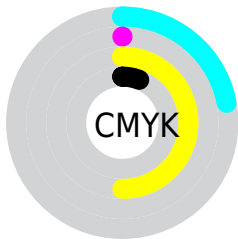
# Distribution



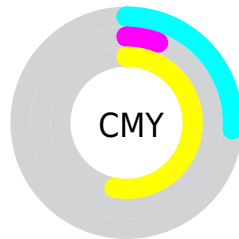
- Red (74%)
- Green (94%)
- Blue (47%)



- Red (47%)
- Yellow (94%)
- Blue (67%)



- Cyan (22%)
- Magenta (0%)
- Yellow (50%)
- Black (6%)



- Cyan (26%)
- Magenta (6%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.2893, 74.3676, 29.2096 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 55.2893, 74.3676, 29.2096 by changing the saturation by 10% instead.



■ 55.2893, 74.3676,  
29.2096

■ 55.2893, 74.3676,  
29.2096

397.1262,  
475.7411, 312.2945

■ 39.8682, 55.0950,  
18.9925

■ 97.1105, 125.4168,  
59.4561

■ 27.6195, 39.4778,  
11.4881

■ 124.2414,  
157.9621, 80.3225

■ 18.1780, 27.1316,  
6.2779

■ 156.0061,  
195.7004, 105.5759

■ 11.1783, 17.6721,  
2.9433

192.7701,  
239.0162, 135.6346

■ 6.2551, 10.7148,  
1.0657

234.8988,  
288.2937, 170.9173

■ 3.0429, 5.8754,  
0.0000

282.7575,

■ 1.1765, 2.7695,

343.9174, 211.8425

0.0000

336.7115,  
406.2718, 258.8287

0.0877, 1.0126,  
0.0000

0.0000, 0.0000,  
0.0000

55.2893, 74.3676,  
29.2096

55.2893, 74.3676,  
29.2096

51.5413, 72.5855,  
22.3609

59.5906, 76.3974,  
37.9925

48.3096, 71.0283,  
17.2949


64.4686, 78.6772,  
48.8363


45.5602, 69.6844,  
13.8457


69.9513, 81.2210,  
61.8624


43.2511, 68.5366,  
11.8135


76.0634, 84.0391,  
77.1816

 41.3141, 67.5571,  
10.8624

 82.8278, 87.1412,  
94.8971

 41.3141, 67.5571,  
10.8623

 88.7819, 89.9426,  
107.2891

 90.4517, 90.8033,  
107.3672

# Harmonies

## Analogous

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



68.4898, 74.3676, 22.4629



55.2893, 74.3676, 29.2096



47.2371, 74.3676, 49.5063

# Triad

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



55.2893, 74.3676, 29.2096



58.6144, 74.3676, 183.8279



104.4805, 74.3676, 74.7876

# Complementary

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



55.2893, 74.3676, 29.2096



39.4610, 28.4969, 85.8629

# Split Complementary

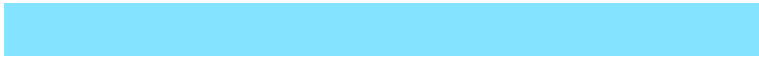
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



100.8337, 74.3676, 123.5576



55.2893, 74.3676, 29.2096



72.9249, 74.3676, 198.2577

# Square

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



55.2893, 74.3676, 29.2096



48.9524, 74.3676, 138.7176



88.7004, 74.3676, 173.0749



98.0497, 74.3676, 41.9979



# Rectangle

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



55.2893, 74.3676, 29.2096



45.1434, 74.3676, 72.8445



88.7004, 74.3676, 173.0749



104.3986, 74.3676, 89.6862

# Sweetspot

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



55.2911, 74.3709, 29.2112



83.6542, 94.7673, 79.3582



54.0807, 49.3890, 24.4530



17.5916, 20.1393, 16.2038



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

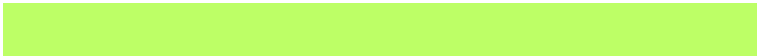


# Same Dimension

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



55.2911, 74.3709, 29.2112



59.0688, 83.2591, 25.5277



43.4546, 68.2689, 28.6573



16.4231, 18.0983, 16.7774



22.7703, 37.0601, 5.9532



2.0081, 3.1417, 0.5006



# Inverse Universe

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



39.4610, 28.4969, 85.8629



39.0149, 25.0811, 97.3926



55.7262, 36.8820, 86.6241



15.5470, 15.5637, 19.9063



11.8816, 5.1306, 45.4919

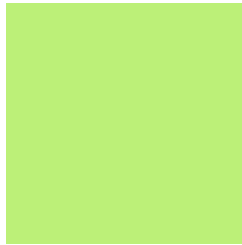


1.1004, 0.4845, 3.7897



# Previews

## White Background



This preview shows how the XYZ color 55.2893, 74.3676, 29.2096 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

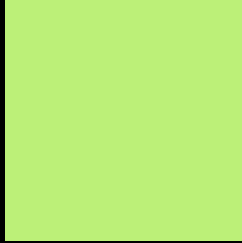
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.2893, 74.3676, 29.2096 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 55.2893, 74.3676, 29.2096**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.2893, 74.3676, 29.2096.



This preview shows how white text looks on a background with the XYZ color 55.2893, 74.3676, 29.2096.



# 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

55.2893, 74.3676, 29.2096

### Protanopia

67.4310, 73.5831, 26.5686

### Deuteranopia

73.4035, 73.8260, 48.9091



## Tritanopia

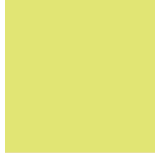
68.7023, 73.9035, 96.2318

# Trichromacy



## Original Color

55.2893, 74.3676, 29.2096



## Protanomaly

62.2230, 73.3071, 27.3932



## Deuteranomaly

65.5477, 73.1064, 40.3620



## Tritanomaly

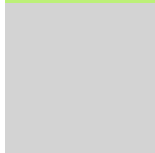
62.4379, 73.4175, 64.9130

# Monochromacy



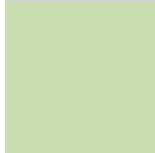
## Original Color

55.2893, 74.3676, 29.2096



## Achromatopsia

61.9161, 65.1406, 70.9381



## Achromatomaly

58.7858, 68.1534, 52.1761

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.2893, 74.3676, 29.2096 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(188, 240, 120)` looks like.

```
.text, #text, p{  
    color:rgb(188, 240, 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(188, 240, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 240, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 55.2893, 74.3676, 29.2096 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(188, 240, 120) }
```



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

```
.border{ border-color:rgb(188, 240, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 240, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 240, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 240, 120);  
box-shadow:4px 4px 4px 4px rgb(188, 240,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.2893, 74.3676, 29.2096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 240, 120) }
```

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

```
.background{ background-color: rgb(188,  
240, 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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