

Converting Colors

XYZ(55.3871, 71.5374, 30.1140)

Have a look what the booklet for
XYZ(55.3871, 71.5374, 30.1140)
contains.

XYZ(55.2827, 71.3352, 29.9241)	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(55.2827, 71.3352,
29.9241)**

Conversions

Conversions Part 1

Format	Color
Hex	C3E97C
RGB	195, 233, 124
RGB Percent	76%, 91%, 49%
CMY	0.2353, 0.0863, 0.5137
CMYK	0.16, 0.00, 0.47, 0.09
HSL	81°, 71%, 70%
HSV	81°, 47%, 91%
XYZ	55.2827, 71.3352, 29.9241
YIQ	209.2120, 12.3410, -41.9550

Conversions

Conversions Part 2

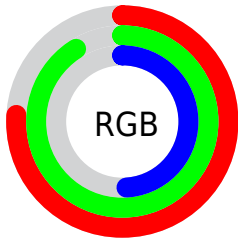
Format	Color
RYB	124, 233, 162
Decimal	12839292
CIELab	87.65, -29.39, 48.67
CIELCh	88, 56.855, 121.124
Yxy	71.3352, 0.3531, 0.4557
Android (android.graphics.Color)	4291029372 (0xFFC3E97C)
YUV	209.2120, -42.0095, -12.4639
Hunter-Lab	84.4602, -30.9696, 38.1158

Details

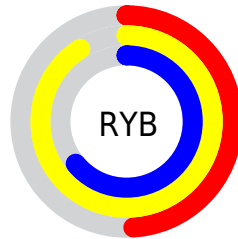
The XYZ color **55.2827, 71.3352, 29.9241** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **36.8188, 27.9818, 80.5554**, and the grayscale version is **61.0045, 64.1815, 69.8936**.

A 20% lighter version of the original color is **84.3039, 95.6170, 56.1321**, and **27.5393, 37.4011, 11.8986** is the 20% darker color. If you saturate the color by 10%, you get **51.9381, 69.7639, 22.9639**, and if you desaturate by 10%, it is **59.0932, 73.1110, 38.7261**.

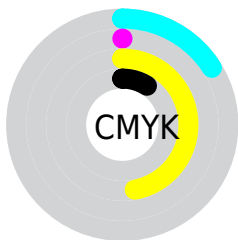
Distribution



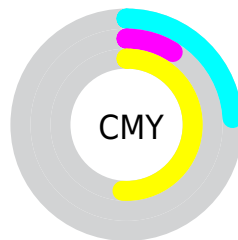
- Red (76%)
- Green (91%)
- Blue (49%)



- Red (49%)
- Yellow (91%)
- Blue (64%)



- Cyan (16%)
- Magenta (0%)
- Yellow (47%)
- Black (9%)



- Cyan (24%)
- Magenta (9%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.2827, 71.3352, 29.9241 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 55.2827, 71.3352, 29.9241 by changing the saturation by 10% instead.

■ 55.2827, 71.3352,
29.9241

■ 55.2827, 71.3352,
29.9241

397.1017,
465.2244, 315.7468

■ 39.8628, 52.6158,
19.5294

■ 97.1009, 121.1109,
60.6017

■ 27.6154, 37.4961,
11.8728

■ 124.2300,
152.9360, 81.7217

■ 18.1749, 25.5919,
6.5356

■ 155.9929,
189.8984, 107.2539

■ 11.1761, 16.5186,
3.0994

192.7550,
232.3825, 137.6169

■ 6.2535, 9.8918,
1.1456

234.8815,
280.7728, 173.2291

■ 3.0420, 5.3273,
0.0000

282.7379,

■ 1.1760, 2.4406,

335.4536, 214.5091

0.0000

336.6895,
396.8093, 261.8755

0.0873, 0.8466,
0.0000

0.0000, 0.0000,
0.0000

55.2827, 71.3352,
29.9241

55.2827, 71.3352,
29.9241

51.9381, 69.7639,
22.9639

59.0932, 73.1110,
38.7261

49.0274, 68.3766,
17.7098


63.3886, 75.0917,
49.4837


46.5223, 67.1644,
14.0146


68.1929, 77.2896,
62.3070


44.3880, 66.1131,
11.7042

73.5269, 79.7131,
77.2965

 42.5804, 65.2047,
10.5569

 79.4101, 82.3703,
94.5461

 42.0453, 64.9336,
10.3174

 84.4101, 84.6884,
106.5053

 87.2878, 86.1719,
106.6400

 88.4305, 86.7609,
106.6935

Harmonies

Analogous

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



67.2955, 71.3352, 24.6286



55.2827, 71.3352, 29.9241



47.5669, 71.3352, 47.0898

Triad

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



55.2827, 71.3352, 29.9241



56.0538, 71.3352, 162.3546



97.1154, 71.3352, 76.2268

Complementary

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



55.2827, 71.3352, 29.9241



36.8188, 27.9818, 80.5554

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.



93.0891, 71.3352, 119.2550



55.2827, 71.3352, 29.9241



68.3110, 71.3352, 177.8696

Square

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



55.2827, 71.3352, 29.9241



47.9689, 71.3352, 122.6387



82.0815, 71.3352, 159.9889



92.4633, 71.3352, 45.3085

Rectangle

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



55.2827, 71.3352, 29.9241



45.3073, 71.3352, 66.7855



82.0815, 71.3352, 159.9889



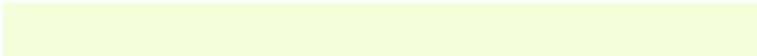
96.7283, 71.3352, 89.6814

Sweetspot

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



55.2844, 71.3384, 29.9256



85.3937, 95.6255, 81.1819



49.8737, 44.0385, 24.9414



17.9843, 20.3342, 16.5650



0.0000, 0.0000, 0.0000



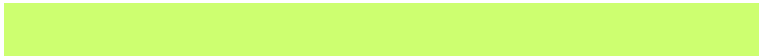
20.3446, 21.4041, 23.3091

Same Dimension

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



55.2844, 71.3384, 29.9256



63.9308, 85.7034, 28.5606



43.9633, 65.5021, 29.3958



15.8126, 17.3490, 16.0340



23.9950, 36.9143, 5.8605



1.9874, 2.9519, 0.4650

Inverse Universe

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



36.8188, 27.9818, 80.5554



38.7644, 26.5328, 97.6860



49.8937, 34.7222, 81.1673



14.7265, 14.8043, 19.0036



10.4036, 4.3992, 44.0438



0.9175, 0.3973, 3.4632

Previews

White Background



This preview shows how the XYZ color 55.2827, 71.3352, 29.9241 looks on a white background.

Color Contrast Check

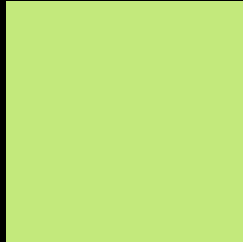
Large Text (above 18pt) WCAG AA × Fail

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 55.2827, 71.3352, 29.9241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

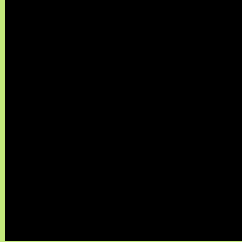
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.2827, 71.3352, 29.9241

Background



This preview shows how black text looks on a background with the XYZ color 55.2827, 71.3352, 29.9241.



This preview shows how white text looks on a background with the XYZ color 55.2827, 71.3352,

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

55.2827, 71.3352, 29.9241

Protanopia

64.9369, 70.6957, 27.6759

Deuteranopia

71.0415, 70.8502, 42.7320



Tritanopia

67.6042, 71.0611, 91.0420

Trichromacy



Original Color

55.2827, 71.3352, 29.9241

Protanomaly

60.8473, 70.5391, 28.4976

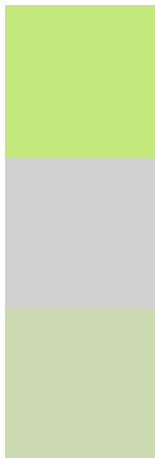
Deuteranomaly

64.3858, 70.5854, 37.4250

Tritanomaly

62.1801, 70.8608, 63.2236

Monochromacy



Original Color

55.2827, 71.3352, 29.9241

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

58.0091, 66.1945, 51.8389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2827, 71.3352, 29.9241 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, 233, 124)` looks like.

```
.text, #text, p{  
    color:rgb(195, 233, 124)  
}
```

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, 233, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 233, 124) }
```

Border

The CSS property to change the border of an element to XYZ 55.2827, 71.3352, 29.9241 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, 233, 124) }
```


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

```
.border{ border-color:rgb(195, 233, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 233, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 233, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 233, 124);  
box-shadow:4px 4px 4px 4px rgb(195, 233,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2827, 71.3352, 29.9241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 233, 124) }
```

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

```
.background{ background-color: rgb(195,  
233, 124) }
```

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