

Converting Colors

XYZ(42.4199, 55.2372, 11.7842)

Have a look what the booklet for
XYZ(42.4199, 55.2372, 11.7842)
contains.

XYZ(42.4899, 55.3139, 11.8054)	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(42.4899, 55.3139,
11.8054)**

Conversions

Conversions Part 1

Format	Color
Hex	B6D035
RGB	182, 208, 53
RGB Percent	71%, 82%, 21%
CMY	0.2863, 0.1843, 0.7921
CMYK	0.13, 0.00, 0.75, 0.18
HSL	70°, 62%, 51%
HSV	70°, 75%, 82%
XYZ	42.4899, 55.3139, 11.8054
YIQ	182.5560, 34.2590, -53.7170

Conversions

Conversions Part 2

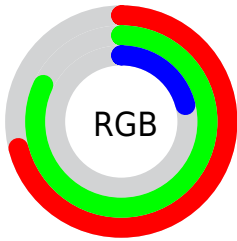
Format	Color
RYB	53, 208, 79
Decimal	11980853
CIELab	79.22, -28.13, 68.81
CIELCh	79, 74.334, 112.233
Yxy	55.3139, 0.3876, 0.5046
Android (android.graphics.Color)	4290170933 (0xFFB6D035)
YUV	182.5560, -63.8711, -0.4876
Hunter-Lab	74.3733, -28.1752, 42.6501

Details

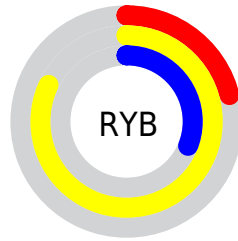
The XYZ color **42.4899, 55.3139, 11.8054** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **15.8847, 8.7639, 60.5323**, and the grayscale version is **45.0934, 47.4418, 51.6641**.

A 20% lighter version of the original color is **74.9049, 91.3685, 28.7269**, and **20.0130, 27.4712, 4.2477** is the 20% darker color. If you saturate the color by 10%, you get **41.2979, 54.7451, 9.7714**, and if you desaturate by 10%, it is **43.9125, 55.9814, 14.9356**.

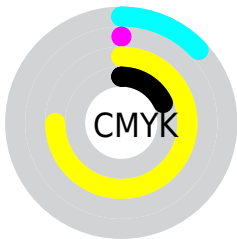
Distribution



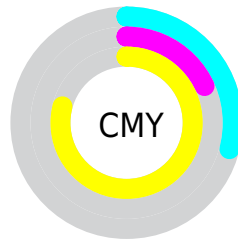
- Red (71%)
- Green (82%)
- Blue (21%)



- Red (21%)
- Yellow (82%)
- Blue (31%)



- Cyan (13%)
- Magenta (0%)
- Yellow (75%)
- Black (18%)



- Cyan (29%)
- Magenta (18%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4899, 55.3139, 11.8054 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 42.4899, 55.3139, 11.8054 by changing the saturation by 10% instead.

■ 42.4899, 55.3139,
11.8054

■ 42.4899, 55.3139,
11.8054

347.4669,
407.1007, 214.0447

■ 29.6779, 39.6531,
6.4904

■ 78.2011, 98.0007,
29.7993

■ 19.7411, 27.2682,
3.0719

■ 101.8309,
125.7955, 43.3152

■ 12.3141, 17.7747,
1.1315

■ 129.7974,
158.4038, 60.4018

■ 7.0317, 10.7884,
0.0000

■ 162.4659,
196.2099, 81.4777

■ 3.5284, 5.9247,
0.0000

■ 200.2017,
239.5982, 106.9614

■ 1.4390, 2.7994,
0.0000

243.3703,

■ 0.2837, 1.0279,

288.9532, 137.2714

0.0000

292.3369,
344.6593, 172.8264

■ 0.0000, 0.0000,
0.0000

■ 42.4899, 55.3139,
11.8054

■ 42.4899, 55.3139,
11.8054

■ 41.2979, 54.7451,
9.7714

■ 43.9125, 55.9814,
14.9356

■ 40.3035, 54.2556,
8.6772

■ 45.5860, 56.7496,
19.2843

■ 39.8142, 54.0106,
8.3267

■ 47.5324, 57.6293,
24.9614

■ 49.7702, 58.6281,
32.0635

■ 52.3163, 59.7526,
40.6784

■ 55.1859, 61.0090,
50.8866

■ 58.3936, 62.4030,
62.7631

■ 61.9527, 63.9402,
76.3781

■ 65.8760, 65.6255,
91.7976

Harmonies

Analogous

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



56.5300, 55.3139, 10.0962



42.4899, 55.3139, 11.8054



33.0721, 55.3139, 22.7335

Triad

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



42.4899, 55.3139, 11.8054



36.9483, 55.3139, 150.8040



86.2595, 55.3139, 71.9741

Complementary

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



42.4899, 55.3139, 11.8054



15.8847, 8.7639, 60.5323

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.



78.5418, 55.3139, 125.5089



42.4899, 55.3139, 11.8054



48.8074, 55.3139, 183.0852

Square

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



42.4899, 55.3139, 11.8054



30.3181, 55.3139, 96.7863



64.1398, 55.3139, 172.1237



83.6957, 55.3139, 34.2740

Rectangle

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



42.4899, 55.3139, 11.8054



29.7937, 55.3139, 38.5540



64.1398, 55.3139, 172.1237



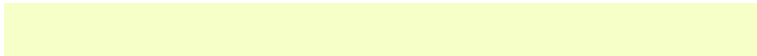
84.7378, 55.3139, 88.7991

Sweetspot

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



42.4912, 55.3164, 11.8066



83.9187, 95.1572, 67.9162



29.4411, 19.2366, 5.5303



17.7075, 20.2557, 13.6487



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.



42.4912, 55.3164, 11.8066



64.5624, 86.3439, 14.3650



28.9872, 48.3549, 11.1746



12.6006, 13.6931, 12.5909



24.8838, 33.6971, 5.1927



1.4442, 1.9114, 0.2928

Inverse Universe

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



15.8847, 8.7639, 60.5323



20.7218, 9.2156, 95.2944



26.4352, 14.2029, 61.0260



11.3459, 11.5116, 14.8676



7.5813, 3.0886, 37.3891



0.4824, 0.2029, 2.0933

Previews

White Background



This preview shows how the XYZ color 42.4899, 55.3139, 11.8054 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 42.4899, 55.3139, 11.8054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

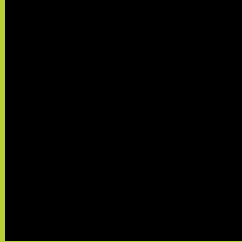
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.4899, 55.3139, 11.8054

Background



This preview shows how black text looks on a background with the XYZ color 42.4899, 55.3139, 11.8054.



This preview shows how white text looks on a background with the XYZ color 42.4899, 55.3139,

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

42.4899, 55.3139, 11.8054

Protanopia

49.8309, 54.9258, 10.9930

Deuteranopia

56.0846, 54.8781, 12.1940



Tritanopia

53.8264, 55.0573, 68.1118

Trichromacy



Original Color

42.4899, 55.3139, 11.8054

Protanomaly

46.7054, 54.6694, 11.2226

Deuteranomaly

50.2054, 54.4289, 11.9974

Tritanomaly

47.8291, 54.3203, 37.6698

Monochromacy



Original Color

42.4899, 55.3139, 11.8054

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

42.8220, 49.5441, 30.5986

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4899, 55.3139, 11.8054 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(182, 208, 53)` looks like.

```
.text, #text, p{  
    color:rgb(182, 208, 53)  
}
```

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(182, 208, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 208, 53) }
```

Border

The CSS property to change the border of an element to XYZ 42.4899, 55.3139, 11.8054 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(182, 208, 53) }
```


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

```
.border{ border-color:rgb(182, 208, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 208, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 208, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 208, 53);  
box-shadow:4px 4px 4px 4px rgb(182, 208,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4899, 55.3139, 11.8054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 208, 53) }
```

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

```
.background{ background-color: rgb(182,  
208, 53) }
```

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