

Converting Colors

XYZ(42.2733, 59.3171, 11.9091)

Have a look what the booklet for
XYZ(42.2733, 59.3171, 11.9091)
contains.

XYZ(42.2068, 59.3033, 11.9115)	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(42.2068, 59.3033,
11.9115)**

Conversions

Conversions Part 1

Format	Color
Hex	A9DB2F
RGB	169, 219, 47
RGB Percent	66%, 86%, 18%
CMY	0.3373, 0.1412, 0.8157
CMYK	0.23, 0.00, 0.79, 0.14
HSL	77°, 70%, 52%
HSV	77°, 79%, 86%
XYZ	42.2068, 59.3033, 11.9115
YIQ	184.4420, 25.4120, -64.0920

Conversions

Conversions Part 2

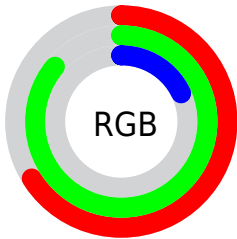
Format	Color
RYB	47, 219, 97
Decimal	11131695
CIELab	81.46, -38.62, 72.38
CIELCh	81, 82.035, 118.081
Yxy	59.3033, 0.3721, 0.5229
Android (android.graphics.Color)	4289321775 (0xFFA9DB2F)
YUV	184.4420, -67.7589, -13.5426
Hunter-Lab	77.0086, -36.9330, 44.7352

Details

The XYZ color **42.2068, 59.3033, 11.9115** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **18.7349, 9.6905, 67.9044**, and the grayscale version is **46.1601, 48.5640, 52.8862**.

A 20% lighter version of the original color is **70.4617, 89.0967, 27.6710**, and **19.9576, 29.9957, 4.7379** is the 20% darker color. If you saturate the color by 10%, you get **40.5385, 58.4841, 10.0778**, and if you desaturate by 10%, it is **44.1658, 60.2507, 14.9171**.

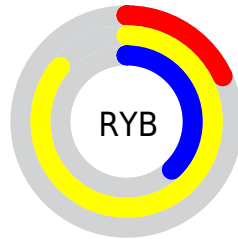
Distribution



Red (66%)

Green (86%)

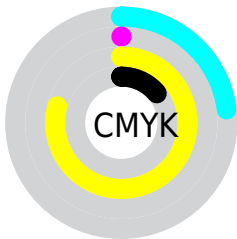
Blue (18%)



Red (18%)

Yellow (86%)

Blue (38%)

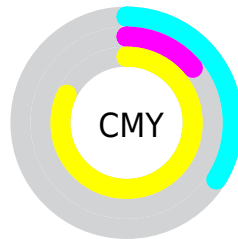


Cyan (23%)

Magenta (0%)

Yellow (79%)

Black (14%)



Cyan (34%)

Magenta (14%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2068, 59.3033, 11.9115 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 42.2068, 59.3033, 11.9115 by changing the saturation by 10% instead.

■ 42.2068, 59.3033,
11.9115

■ 42.2068, 59.3033,
11.9115

346.3165,
422.0250, 214.7756

■ 29.4551, 42.8573,
6.5616

■ 77.7757, 103.8184,
29.9958

■ 19.5714, 29.7732,
3.1152

■ 101.3236,
132.6562, 43.5673

■ 12.1903, 19.6665,
1.1538

■ 129.2009,
166.3935, 60.7165

■ 6.9465, 12.1528,
0.0000

■ 161.7731,
205.4146, 81.8618

■ 3.4747, 6.8479,
0.0000

■ 199.4053,
250.1039, 107.4218

■ 1.4095, 3.3671,
0.0000

242.4631,

■ 0.2630, 1.3263,

300.8458, 137.8151

0.0000

291.3117,
358.0247, 173.4602

■ 0.0000, 0.1614,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.2068, 59.3033,
11.9115

■ 42.2068, 59.3033,
11.9115

■ 40.5385, 58.4841,
10.0778

■ 44.1658, 60.2507,
14.9171

■ 39.1121, 57.7671,
9.1808

■ 46.4416, 61.3305,
19.2446

■ 38.9143, 57.6672,
9.0799

■ 49.0611, 62.5556,
25.0258

■ 52.0472, 63.9354,
32.3756

■ 55.4202, 65.4781,
41.3972

■ 59.1990, 67.1912,
52.1853

■ 63.4009, 69.0820,
64.8273

■ 68.0424, 71.1569,
79.4048

■ 73.1388, 73.4222,
95.9947

Harmonies

Analogous

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



57.4790, 59.3033, 8.6697



42.2068, 59.3033, 11.9115



32.7261, 59.3033, 26.3650

Triad

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



42.2068, 59.3033, 11.9115



40.6472, 59.3033, 182.7051



96.2305, 59.3033, 67.7900

Complementary

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



42.2068, 59.3033, 11.9115



18.7349, 9.6905, 67.9044

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.



89.2981, 59.3033, 128.5916



42.2068, 59.3033, 11.9115



55.2675, 59.3033, 212.7135

Square

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



42.2068, 59.3033, 11.9115



31.9625, 59.3033, 120.1035



73.3830, 59.3033, 189.1137



90.8092, 59.3033, 29.5004

Rectangle

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



42.2068, 59.3033, 11.9115



29.8361, 59.3033, 46.9425



73.3830, 59.3033, 189.1137



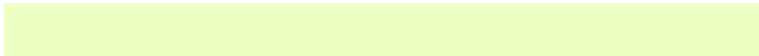
95.2434, 59.3033, 86.1387

Sweetspot

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



42.2082, 59.3059, 11.9128



80.4694, 93.4462, 64.7170



33.8874, 23.5846, 5.4564



16.8246, 19.8200, 12.7293



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.



42.2082, 59.3059, 11.9128



55.9310, 81.9083, 13.3252



29.5268, 52.7685, 11.3193



13.7743, 15.0639, 13.9072



23.1868, 34.2507, 5.3890



1.5862, 2.2622, 0.3531

Inverse Universe

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



18.7349, 9.6905, 67.9044



21.9704, 9.5010, 95.2836



33.0335, 17.0618, 68.5735



12.6926, 12.7996, 16.4537



8.9175, 3.7213, 39.9867



0.6623, 0.2847, 2.5945

Previews

White Background



This preview shows how the XYZ color 42.2068, 59.3033, 11.9115 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 42.2068, 59.3033, 11.9115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

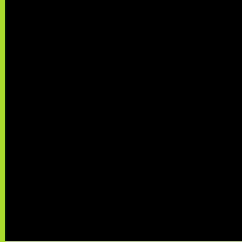
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.2068, 59.3033, 11.9115

Background



This preview shows how black text looks on a background with the XYZ color 42.2068, 59.3033, 11.9115.



This preview shows how white text looks on a background with the XYZ color 42.2068, 59.3033,

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

42.2068, 59.3033, 11.9115

Protanopia

53.2351, 58.7464, 10.8189

Deuteranopia

59.9544, 58.4705, 12.4010



Tritanopia

55.2502, 59.0444, 76.1949

Trichromacy



Original Color

42.2068, 59.3033, 11.9115

Protanomaly

48.4641, 58.4154, 11.1038

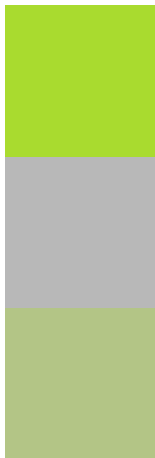
Deuteranomaly

51.7004, 57.5787, 12.0033

Tritanomaly

47.9423, 57.8590, 40.5394

Monochromacy



Original Color

42.2068, 59.3033, 11.9115

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

42.8597, 51.2374, 30.1851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2068, 59.3033, 11.9115 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(169, 219, 47)` looks like.

```
.text, #text, p{  
    color:rgb(169, 219, 47)  
}
```

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(169, 219, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 219, 47) }
```

Border

The CSS property to change the border of an element to XYZ 42.2068, 59.3033, 11.9115 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(169, 219, 47) }
```


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

```
.border{ border-color:rgb(169, 219, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 219, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 219, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 219, 47);  
box-shadow:4px 4px 4px 4px rgb(169, 219,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2068, 59.3033, 11.9115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 219, 47) }
```

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

```
.background{ background-color: rgb(169,  
219, 47) }
```

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