

Converting Colors

XYZ(40.9510, 61.4413, 11.6220)

Have a look what the booklet for
XYZ(40.9510, 61.4413, 11.6220)
contains.

XYZ(40.8890, 61.4092, 11.6175)	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(40.8890, 61.4092,
11.6175)**

Conversions

Conversions Part 1

Format	Color
Hex	9AE227
RGB	154, 226, 39
RGB Percent	60%, 89%, 15%
CMY	0.3961, 0.1137, 0.8470
CMYK	0.32, 0.00, 0.83, 0.11
HSL	83°, 76%, 52%
HSV	83°, 83%, 89%
XYZ	40.8890, 61.4092, 11.6175
YIQ	183.1540, 17.1150, -73.4210

Conversions

Conversions Part 2

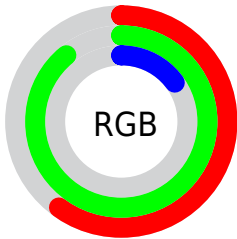
Format	Color
RYB	39, 226, 111
Decimal	10150439
CIELab	82.60, -47.54, 75.14
CIElCh	83, 88.915, 122.323
Yxy	61.4092, 0.3589, 0.5391
Android (android.graphics.Color)	4288340519 (0xFF9AE227)
YUV	183.1540, -71.0679, -25.5681
Hunter-Lab	78.3640, -43.9988, 46.0650

Details

The XYZ color **40.8890, 61.4092, 11.6175** 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 **21.0114, 10.3234, 72.8402**, and the grayscale version is **45.4677, 47.8355, 52.0929**.

A 20% lighter version of the original color is **65.6488, 86.6454, 26.0961**, and **19.0940, 31.1823, 5.0124** is the 20% darker color. If you saturate the color by 10%, you get **39.0238, 60.4808, 10.1236**, and if you desaturate by 10%, it is **43.0999, 62.4940, 14.2925**.

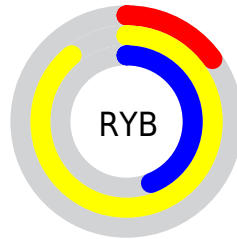
Distribution



Red (60%)

Green (89%)

Blue (15%)



Red (15%)

Yellow (89%)

Blue (44%)

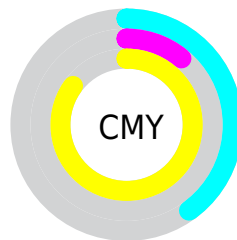


Cyan (32%)

Magenta (0%)

Yellow (83%)

Black (11%)



Cyan (40%)


Magenta (11%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8890, 61.4092, 11.6175 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 40.8890, 61.4092, 11.6175 by changing the saturation by 10% instead.


 40.8890, 61.4092,
11.6175


 40.8890, 61.4092,
11.6175


340.9270,
429.7728, 212.7436

 28.4196, 44.5555,
6.3644


 75.7911, 106.8712,
29.4504


 18.7843, 31.1074,
2.9956


 98.9546, 136.2483,
42.8674


 11.6176, 20.6807,
1.0924


 126.4136,
170.5686, 59.8426

 6.5542, 12.8908,
0.0000

 158.5333,
210.2166, 80.7949

 3.2287, 7.3534,
0.0000

 195.6791,
255.5766, 106.1425

 1.2758, 3.6841,
0.0000

 238.2164,

 0.1650, 1.4985,

307.0330, 136.3042

0.0000

286.5106,
364.9703, 171.6983

■ 0.0000, 0.2876,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.8890, 61.4092,
11.6175

■ 40.8890, 61.4092,
11.6175

■ 39.0238, 60.4808,
10.1236

■ 43.0999, 62.4940,
14.2925

■ 37.8416, 59.8825,
9.5640

■ 45.6891, 63.7422,
18.3262

■ 48.6890, 65.1691,
23.8706

■ 52.1268, 66.7859,
31.0562

■ 56.0267, 68.6024,
39.9996

■ 60.4110, 70.6280,
50.8068

■ 65.3005, 72.8710,
63.5752

■ 70.7143, 75.3396,
78.3957

■ 76.6708, 78.0411,
95.3532

Harmonies

Analogous

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



56.8952, 61.4092, 7.2747



40.8890, 61.4092, 11.6175



31.5646, 61.4092, 29.0120

Triad

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



40.8890, 61.4092, 11.6175



42.9516, 61.4092, 209.4594



103.1569, 61.4092, 62.7008

Complementary

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



40.8890, 61.4092, 11.6175



21.0114, 10.3234, 72.8402

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.



97.1924, 61.4092, 128.3950



40.8890, 61.4092, 11.6175



59.8652, 61.4092, 236.0260

Square

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



40.8890, 61.4092, 11.6175



32.5606, 61.4092, 140.1148



80.2287, 61.4092, 200.4855



95.1211, 61.4092, 24.9916

Rectangle

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



40.8890, 61.4092, 11.6175



29.0691, 61.4092, 53.8051



80.2287, 61.4092, 200.4855



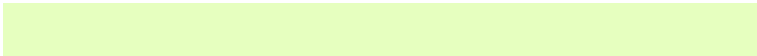
102.7216, 61.4092, 81.8818

Sweetspot

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



40.8904, 61.4119, 11.6188



77.9700, 92.1905, 63.1197



37.3827, 27.6177, 5.2807



16.2485, 19.5293, 12.4195



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.



40.8904, 61.4119, 11.6188



49.8334, 78.7735, 12.6515



29.4778, 55.5285, 11.0847



14.3340, 15.7523, 14.5918



21.7240, 34.2316, 5.4624



1.6049, 2.4238, 0.3833

Inverse Universe

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



21.0114, 10.3234, 72.8402



23.3066, 9.9710, 95.3039



39.4076, 19.8070, 73.7011



13.4486, 13.4993, 17.2845



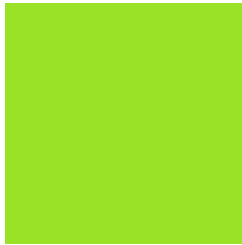
10.1982, 4.3527, 41.3510



0.8047, 0.3521, 2.8708

Previews

White Background



This preview shows how the XYZ color 40.8890, 61.4092, 11.6175 looks on a white background.

Color Contrast Check

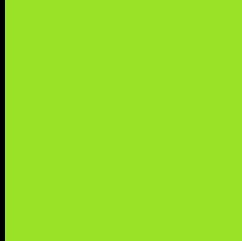
Large Text (above 18pt) WCAG AA × Fail

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 40.8890, 61.4092, 11.6175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

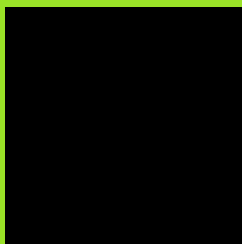
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.8890, 61.4092, 11.6175

Background



This preview shows how black text looks on a background with the XYZ color 40.8890, 61.4092, 11.6175.



This preview shows how white text looks on a background with the XYZ color 40.8890, 61.4092,

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

40.8890, 61.4092, 11.6175

Protanopia

54.7390, 60.5954, 10.2499

Deuteranopia

61.8924, 60.7451, 14.4241



Tritanopia

54.8162, 60.8693, 81.5329

Trichromacy



Original Color

40.8890, 61.4092, 11.6175

Protanomaly

48.4547, 60.2664, 10.6689

Deuteranomaly

51.7742, 59.3638, 12.8672

Tritanomaly

46.9623, 59.9398, 41.8952

Monochromacy



Original Color

40.8890, 61.4092, 11.6175

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

41.5334, 51.2562, 29.1771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8890, 61.4092, 11.6175 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(154, 226, 39)` looks like.

```
.text, #text, p{  
    color:rgb(154, 226, 39)  
}
```

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(154, 226, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 226, 39) }
```

Border

The CSS property to change the border of an element to XYZ 40.8890, 61.4092, 11.6175 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(154, 226, 39) }
```


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

```
.border{ border-color:rgb(154, 226, 39) }
```

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

Here you see how a box with a 4 pixel rgb(154, 226, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 226, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 226, 39);  
box-shadow:4px 4px 4px 4px rgb(154, 226,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8890, 61.4092, 11.6175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 226, 39) }
```

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

```
.background{ background-color: rgb(154,  
226, 39) }
```

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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