

Converting Colors

XYZ(38.8331, 65.3948, 11.1061)

Have a look what the booklet for
XYZ(38.8331, 65.3948, 11.1061)
contains.

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Color

**XYZ(38.8441, 65.4005,
11.1066)**

Conversions

Conversions Part 1

Format	Color
Hex	7BEE11
RGB	123, 238, 17
RGB Percent	48%, 93%, 7%
CMY	0.5176, 0.0666, 0.9332
CMYK	0.48, 0.00, 0.93, 0.07
HSL	91°, 87%, 50%
HSV	91°, 93%, 93%
XYZ	38.8441, 65.4005, 11.1066
YIQ	178.4210, 2.4010, -93.1110

Conversions

Conversions Part 2

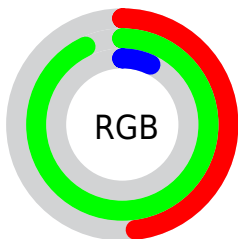
Format	Color
R _Y B	17, 238, 132
Decimal	8121873
CIE Lab	84.69, -62.96, 80.15
CIE LCh	85, 101.924, 128.148
Yxy	65.4005, 0.3367, 0.5670
Android (android.graphics.Color)	4286311953 (0xFF7BEE11)
YUV	178.4210, -79.5806, -48.6042
Hunter-Lab	80.8706, -55.7856, 48.4666

Details

The XYZ color **38.8441, 65.4005, 11.1066** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **25.1545, 11.4829, 81.7832**, and the grayscale version is **42.9513, 45.1881, 49.2099**.

A 20% lighter version of the original color is **57.7880, 82.6424, 23.4955**, and **18.0994, 33.8600, 5.5817** is the 20% darker color. If you saturate the color by 10%, you get **37.5335, 64.7386, 10.5176**, and if you desaturate by 10%, it is **41.0270, 66.4937, 12.7540**.

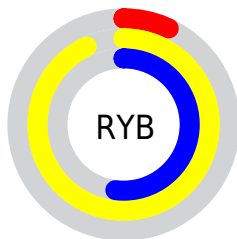
Distribution



Red (48%)

Green (93%)

Blue (7%)



Red (7%)

Yellow (93%)

Blue (52%)

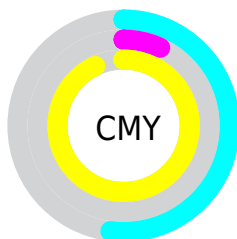


Cyan (48%)

Magenta (0%)

Yellow (93%)

Black (7%)



Cyan (52%)


Magenta (7%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8441, 65.4005, 11.1066 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 38.8441, 65.4005, 11.1066 by changing the saturation by 10% instead.


 38.8441, 65.4005,
11.1066


 38.8441, 65.4005,
11.1066


332.4458,
444.2298, 209.1611


 26.8186, 47.7859,
6.0235


 72.6957, 112.6255,
28.4968

 17.5730, 33.6574,
2.7904


 95.2525, 143.0046,
41.6409


 10.7417, 22.6305,
0.9886


 122.0506,
178.4074, 58.3092

 5.9594, 14.3209,
0.0000

 153.4551,
219.2182, 78.9201

 2.8608, 8.3442,
0.0000

 189.8316,
265.8215, 103.8922

 1.0806, 4.3160,
0.0000

 231.5453,

 0.0088, 1.8518,

318.6016, 133.6441

0.0000

278.9616,
377.9429, 168.5942

■ 0.0000, 0.5192,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.8441, 65.4005,
11.1066

■ 38.8441, 65.4005,
11.1066

■ 37.5335, 64.7386,
10.5176

■ 41.0270, 66.4937,
12.7540

■ 43.6909, 67.8039,
15.7290

■ 46.8841, 69.3535,
20.2407

■ 50.6464, 71.1593,
26.4611

■ 55.0130, 73.2360,
34.5389

■ 60.0155, 75.5972,
44.6070

■ 65.6831, 78.2553,
56.7859

■ 72.0431, 81.2219,
71.1865

■ 79.1209, 84.5078,
87.9121

Harmonies

Analogous

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



56.1586, 65.4005, 5.2314



38.8441, 65.4005, 11.1066



29.7297, 65.4005, 33.9843

Triad

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



38.8441, 65.4005, 11.1066



47.2437, 65.4005, 262.5799



116.3728, 65.4005, 54.8721

Complementary

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



38.8441, 65.4005, 11.1066



25.1545, 11.4829, 81.7832

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.



112.3126, 65.4005, 128.8396



38.8441, 65.4005, 11.1066



68.5770, 65.4005, 281.5053

Square

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



38.8441, 65.4005, 11.1066



33.6895, 65.4005, 180.1757



93.3265, 65.4005, 222.3966



103.3543, 65.4005, 18.4362

Rectangle

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



38.8441, 65.4005, 11.1066



27.8599, 65.4005, 67.2326



93.3265, 65.4005, 222.3966



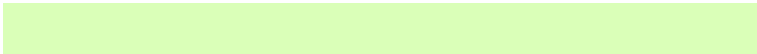
117.0107, 65.4005, 75.3413

Sweetspot

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



38.8456, 65.4033, 11.1080



73.2358, 89.8449, 58.6097



43.5057, 34.5042, 4.8983



15.0788, 18.9503, 11.2814



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.



38.8456, 65.4033, 11.1080



43.8272, 75.6788, 12.2975



30.9402, 61.3243, 10.9014



16.2872, 18.0282, 16.7711



21.0866, 36.1921, 5.8744



1.8685, 3.0698, 0.4940

Inverse Universe

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



25.1545, 11.4829, 81.7832



27.6771, 12.1830, 95.5005



50.3599, 24.5386, 80.1666



15.6822, 15.6334, 19.9126



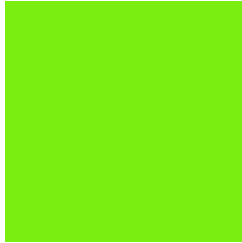
13.3866, 5.9065, 45.5624



1.2285, 0.5506, 3.7957

Previews

White Background



This preview shows how the XYZ color 38.8441, 65.4005, 11.1066 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 38.8441, 65.4005, 11.1066 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 38.8441, 65.4005, 11.1066

Background



This preview shows how black text looks on a background with the XYZ color 38.8441, 65.4005, 11.1066.



This preview shows how white text looks on a background with the XYZ color 38.8441, 65.4005,

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

38.8441, 65.4005, 11.1066

Protanopia

57.9716, 64.0977, 9.3167

Deuteranopia

64.7282, 64.0739, 22.5916



Tritanopia

54.7629, 64.8149, 91.2856

Trichromacy



Original Color

38.8441, 65.4005, 11.1066



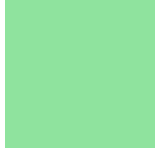
Protanomaly

48.3910, 62.9353, 9.7695



Deuteranomaly

51.0147, 61.8529, 15.7286



Tritanomaly

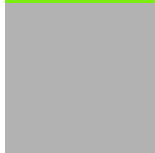
44.9683, 63.2464, 42.1855

Monochromacy



Original Color

38.8441, 65.4005, 11.1066



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

38.0846, 49.9096, 25.0790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8441, 65.4005, 11.1066 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(123, 238, 17)` looks like.

```
.text, #text, p{  
    color:rgb(123, 238, 17)  
}
```

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(123, 238, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 238, 17) }
```

Border

The CSS property to change the border of an element to XYZ 38.8441, 65.4005, 11.1066 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(123, 238, 17) }
```


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

```
.border{ border-color:rgb(123, 238, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 238, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 238, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 238, 17);  
box-shadow:4px 4px 4px 4px rgb(123, 238,  
17) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8441, 65.4005, 11.1066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 238, 17) }
```

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

```
.background{ background-color: rgb(123,  
238, 17) }
```

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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