

Converting Colors

XYZ(41.3151, 66.7311, 10.7029)

Have a look what the booklet for
XYZ(41.3151, 66.7311, 10.7029)
contains.

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Color

**XYZ(41.2220, 66.6380,
10.6898)**

Conversions

Conversions Part 1

Format	Color
Hex	8BEE00
RGB	139, 238, 0
RGB Percent	55%, 93%, 0%
CMY	0.4549, 0.0666, 0.9999
CMYK	0.42, 0.00, 1.00, 0.07
HSL	85°, 100%, 47%
HSV	85°, 100%, 93%
XYZ	41.2220, 66.6380, 10.6898
YIQ	181.2670, 17.3940, -95.0060

Conversions

Conversions Part 2

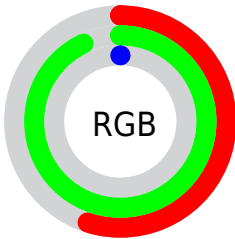
Format	Color
RYB	0, 238, 99
Decimal	9170432
CIELab	85.32, -58.26, 82.43
CIELCh	85, 100.935, 125.251
Yxy	66.6380, 0.3477, 0.5621
Android (android.graphics.Color)	4287360512 (0xFF8BEE00)
YUV	181.2670, -89.3646, -37.0682
Hunter-Lab	81.6321, -52.7185, 49.3784

Details

The XYZ color **41.2220, 66.6380, 10.6898** 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 **20.5836, 8.8289, 81.5119**, and the grayscale version is **44.5317, 46.8509, 51.0206**.

A 20% lighter version of the original color is **61.4249, 84.5375, 22.7528**, and **19.5044, 34.5842, 5.6474** is the 20% darker color. If you saturate the color by 10%, you get **41.2210, 66.6396, 10.6902**, and if you desaturate by 10%, it is **43.1156, 67.5975, 11.6303**.

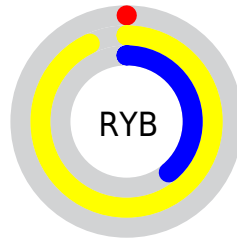
Distribution



Red (55%)

Green (93%)

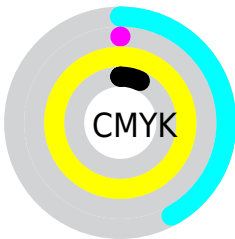
Blue (0%)



Red (0%)

Yellow (93%)

Blue (39%)

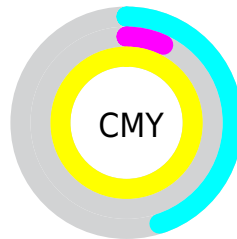


Cyan (42%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (45%)


Magenta (7%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.2220, 66.6380, 10.6898 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 41.2220, 66.6380, 10.6898 by changing the saturation by 10% instead.


 41.2220, 66.6380,
10.6898


 41.2220, 66.6380,
10.6898


342.2944,
448.6551, 206.1873


 28.6810, 48.7905,
5.7471


 76.2934, 114.4015,
27.7129

 18.9827, 34.4533,
2.6256


 99.5545, 145.0864,
40.6305


 11.7617, 23.2421,
0.9056


 127.1197,
180.8191, 57.0434

 6.6527, 14.7724,
0.0000

 159.3543,
221.9842, 77.3702

 3.2902, 8.6598,
0.0000

 196.6237,
268.9659, 102.0294

 1.3090, 4.5199,
0.0000

 239.2933,

 0.1900, 1.9685,

322.1487, 131.4397

0.0000

287.7284,
381.9170, 166.0195

■ 0.0000, 0.5890,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.2220, 66.6380,
10.6898

■ 41.2220, 66.6380,
10.6898

■ 41.2210, 66.6396,
10.6902

■ 43.1156, 67.5975,
11.6303

■ 45.3611, 68.7131,
13.6292

■ 48.0264, 70.0149,
17.0177

■ 51.1520, 71.5194,
21.9914

■ 54.7726, 73.2408,
28.7143

■ 58.9188, 75.1918,
37.3300

■ 63.6181, 77.3838,
47.9672

■ 68.8960, 79.8274,
60.7435

■ 74.7761, 82.5322,
75.7672

Harmonies

Analogous

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



59.4027, 66.6380, 5.5555



41.2220, 66.6380, 10.6898



31.2410, 66.6380, 31.6141

Triad

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



41.2220, 66.6380, 10.6898



46.6741, 66.6380, 257.1905



117.9048, 66.6380, 61.6450

Complementary

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



41.2220, 66.6380, 10.6898



20.5836, 8.8289, 81.5119

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.



112.1753, 66.6380, 138.9730



41.2220, 66.6380, 10.6898



67.4421, 66.6380, 283.6796

Square

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



41.2220, 66.6380, 10.6898



33.8177, 66.6380, 172.0444



92.2147, 66.6380, 231.3487



106.3943, 66.6380, 21.4844

Rectangle

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



41.2220, 66.6380, 10.6898



28.8792, 66.6380, 62.6351



92.2147, 66.6380, 231.3487



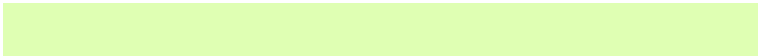
117.9556, 66.6380, 83.4760

Sweetspot

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



41.2235, 66.6409, 10.6913



74.3310, 90.4699, 55.9280



39.3740, 26.4026, 3.0219



15.3955, 19.1249, 10.7831



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.



41.2235, 66.6409, 10.6913



48.1380, 77.9011, 12.4993



30.9488, 61.3441, 10.2104



16.4504, 18.1123, 16.7787



23.1468, 37.2542, 5.9708



2.0386, 3.1574, 0.5020

Inverse Universe

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



20.5836, 8.8289, 81.5119



24.0046, 10.2897, 95.3287



43.2259, 20.5015, 82.5716



15.5203, 15.5499, 19.9050



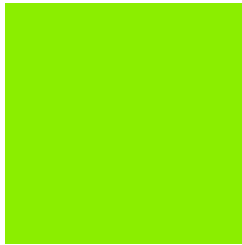
11.6210, 4.9962, 45.4797



1.0774, 0.4727, 3.7887

Previews

White Background



This preview shows how the XYZ color 41.2220, 66.6380, 10.6898 looks on a white background.

Color Contrast Check

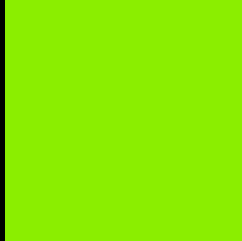
Large Text (above 18pt) WCAG AA × Fail

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 41.2220, 66.6380, 10.6898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

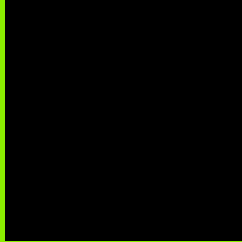
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.2220, 66.6380, 10.6898

Background



This preview shows how black text looks on a background with the XYZ color 41.2220, 66.6380, 10.6898.



This preview shows how white text looks on a background with the XYZ color 41.2220, 66.6380,

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

41.2220, 66.6380, 10.6898

Protanopia

59.1401, 65.4377, 9.5137

Deuteranopia

65.9853, 65.7067, 25.7279



Tritanopia

57.1623, 66.0519, 91.3979

Trichromacy



Original Color

41.2220, 66.6380, 10.6898

Protanomaly

50.4851, 64.4094, 9.7714

Deuteranomaly

53.2325, 63.7523, 15.9783

Tritanomaly

46.8469, 64.2731, 39.6426

Monochromacy



Original Color

41.2220, 66.6380, 10.6898

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

39.9409, 51.5859, 24.0716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2220, 66.6380, 10.6898 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(139, 238, 0)` looks like.

```
.text, #text, p{  
    color:rgb(139, 238, 0)  
}
```

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(139, 238, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 238, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.2220, 66.6380, 10.6898 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(139, 238, 0) }
```


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

```
.border{ border-color:rgb(139, 238, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 238, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 238, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 238, 0);  
box-shadow:4px 4px 4px 4px rgb(139, 238,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2220, 66.6380, 10.6898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 238, 0) }
```

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

```
.background{ background-color: rgb(139,  
238, 0) }
```

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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