

Converting Colors

XYZ(41.5499, 66.4406, 10.6344)

Have a look what the booklet for
XYZ(41.5499, 66.4406, 10.6344)
contains.

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Color

**XYZ(41.4395, 66.3192,
10.6168)**

Conversions

Conversions Part 1

Format	Color
Hex	8EED00
RGB	142, 237, 0
RGB Percent	56%, 93%, 0%
CMY	0.4431, 0.0706, 0.9999
CMYK	0.40, 0.00, 1.00, 0.07
HSL	84°, 100%, 46%
HSV	84°, 100%, 93%
XYZ	41.4395, 66.3192, 10.6168
YIQ	181.5770, 19.4570, -93.8470

Conversions

Conversions Part 2

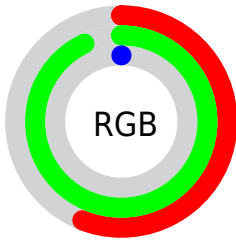
Format	Color
RYB	0, 237, 95
Decimal	9366784
CIELab	85.16, -56.89, 82.36
CIELCh	85, 100.099, 124.637
Yxy	66.3192, 0.3501, 0.5602
Android (android.graphics.Color)	4287556864 (0xFF8EED00)
YUV	181.5770, -89.5175, -34.7090
Hunter-Lab	81.4366, -51.6833, 49.2760

Details

The XYZ color **41.4395, 66.3192, 10.6168** 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 **20.0106, 8.5505, 80.7204**, and the grayscale version is **44.7008, 47.0287, 51.2143**.

A 20% lighter version of the original color is **62.2341, 84.9547, 22.7907**, and **19.6295, 34.3480, 5.5952** is the 20% darker color. If you saturate the color by 10%, you get **41.4385, 66.3208, 10.6172**, and if you desaturate by 10%, it is **43.3035, 67.2635, 11.5505**.

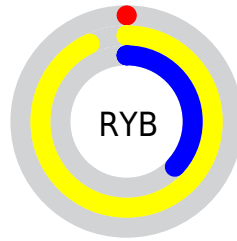
Distribution



Red (56%)

Green (93%)

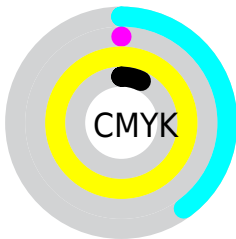
Blue (0%)



Red (0%)

Yellow (93%)

Blue (37%)

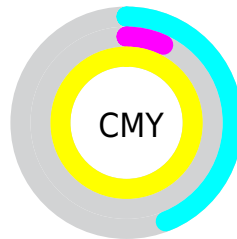


Cyan (40%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (44%)

Magenta (7%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4395, 66.3192, 10.6168 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 41.4395, 66.3192, 10.6168 by changing the saturation by 10% instead.


 41.4395, 66.3192,
10.6168


 41.4395, 66.3192,
10.6168


343.1855,
447.5176, 205.6615


 28.8518, 48.5316,
5.6989


 76.6211, 113.9443,
27.5751

 19.1125, 34.2480,
2.5970


 99.9458, 144.5507,
40.4525


 11.8561, 23.0842,
0.8909


 127.5802,
180.1986, 56.8202

 6.7173, 14.6557,
0.0000

 159.8897,
221.2727, 77.0967

 3.3307, 8.5781,
0.0000

 197.2396,
268.1572, 101.7006

 1.3309, 4.4670,
0.0000

 239.9953,

 0.2062, 1.9381,

321.2366, 131.0503

0.0000

288.5221,
380.8953, 165.5644

■ 0.0000, 0.5711,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.4395, 66.3192,
10.6168

■ 41.4395, 66.3192,
10.6168

■ 41.4385, 66.3208,
10.6172

■ 43.3035, 67.2635,
11.5505

■ 45.5061, 68.3574,
13.5314

■ 48.1143, 69.6304,
16.8881

■ 51.1677, 71.0987,
21.8139

■ 54.7004, 72.7761,
28.4712

■ 58.7420, 74.6750,
37.0021

■ 63.3197, 76.8065,
47.5340

■ 68.4582, 79.1809,
60.1831

■ 74.1806, 81.8076,
75.0568

Harmonies

Analogous

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



59.5896, 66.3192, 5.6598



41.4395, 66.3192, 10.6168



31.3814, 66.3192, 30.9734

Triad

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



41.4395, 66.3192, 10.6168



46.2074, 66.3192, 252.8903



116.9607, 66.3192, 62.6183

Complementary

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



41.4395, 66.3192, 10.6168



20.0106, 8.5505, 80.7204

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.



110.9624, 66.3192, 139.6325



41.4395, 66.3192, 10.6168



66.6095, 66.3192, 280.5390

Square

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



41.4395, 66.3192, 10.6168



33.6379, 66.3192, 168.4339



91.0684, 66.3192, 230.4118



105.9240, 66.3192, 22.0895

Rectangle

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



41.4395, 66.3192, 10.6168



28.9386, 66.3192, 61.2021



91.0684, 66.3192, 230.4118



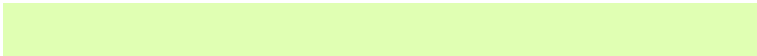
116.8883, 66.3192, 84.4653

Sweetspot

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



41.4410, 66.3221, 10.6182



74.6890, 90.6545, 55.9447



39.0031, 26.1579, 2.9943



15.4806, 19.1688, 10.7871



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.



41.4410, 66.3221, 10.6182



48.8528, 78.2696, 12.5327



30.6562, 60.7623, 10.1135



15.7339, 17.3083, 16.0303



22.7750, 36.2854, 5.8034



1.8965, 2.9050, 0.4608

Inverse Universe

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



20.0106, 8.5505, 80.7204



23.5560, 10.0585, 95.3077



42.8171, 20.3077, 81.7877



14.8028, 14.8436, 19.0072



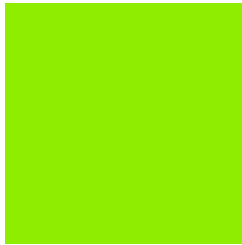
11.0620, 4.7386, 44.0746



0.9746, 0.4267, 3.4659

Previews

White Background



This preview shows how the XYZ color 41.4395, 66.3192, 10.6168 looks on a white background.

Color Contrast Check

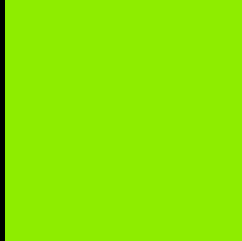
Large Text (above 18pt) WCAG AA × Fail

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 41.4395, 66.3192, 10.6168 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 41.4395, 66.3192, 10.6168

Background



This preview shows how black text looks on a background with the XYZ color 41.4395, 66.3192, 10.6168.

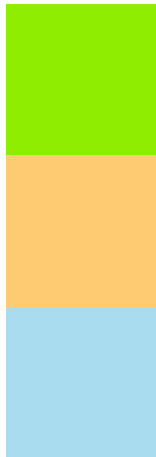


This preview shows how white text looks on a background with the XYZ color 41.4395, 66.3192,

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

41.4395, 66.3192, 10.6168

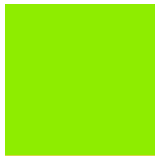
Deuteranopia

65.6332, 65.1868, 25.0427

Tritanopia

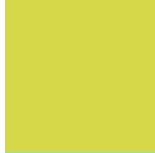
57.3880, 65.7945, 90.5639

Trichromacy



Original Color

41.4395, 66.3192, 10.6168



Deuteranomaly

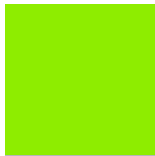
53.2346, 63.3781, 15.7308



Tritanomaly

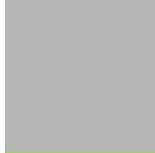
47.0803, 63.9980, 39.1496

Monochromacy



Original Color

41.4395, 66.3192, 10.6168



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

40.2093, 51.7175, 24.3862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4395, 66.3192, 10.6168 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(142, 237, 0)` looks like.

```
.text, #text, p{  
    color:rgb(142, 237, 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(142, 237, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 237, 0) }
```

Border

The CSS property to change the border of an element to XYZ 41.4395, 66.3192, 10.6168 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(142, 237, 0) }
```

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

```
.border{ border-color:rgb(142, 237, 0) }
```

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

Here you see how a box with a 4 pixel rgb(142, 237, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 237, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 237, 0);  
box-shadow:4px 4px 4px 4px rgb(142, 237,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 41.4395, 66.3192, 10.6168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 237, 0) }
```

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

```
.background{ background-color: rgb(142,  
237, 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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