

Converting Colors

XYZ(41.7670, 67.9765, 15.9686)

Have a look what the booklet for
XYZ(41.7670, 67.9765, 15.9686)
contains.

XYZ(41.9252, 68.1978, 15.9548)	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(41.9252, 68.1978,
15.9548)**

Conversions

Conversions Part 1

Format	Color
Hex	84F141
RGB	132, 241, 65
RGB Percent	52%, 95%, 25%
CMY	0.4824, 0.0549, 0.7451
CMYK	0.45, 0.00, 0.73, 0.05
HSL	97°, 86%, 60%
HSV	97°, 73%, 95%
XYZ	41.9252, 68.1978, 15.9548
YIQ	188.3450, -8.4680, -77.8440

Conversions

Conversions Part 2

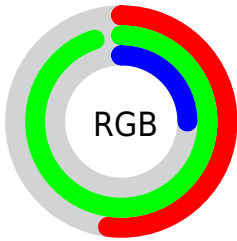
Format	Color
RYB	65, 241, 174
Decimal	8712513
CIELab	86.11, -59.50, 70.60
CIElCh	86, 92.329, 130.121
Yxy	68.1978, 0.3325, 0.5409
Android (android.graphics.Color)	4286902593 (0xFF84F141)
YUV	188.3450, -60.8091, -49.4146
Hunter-Lab	82.5820, -53.8976, 46.3526

Details

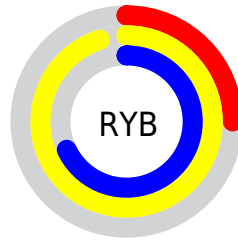
The XYZ color **41.9252, 68.1978, 15.9548** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **35.2266, 19.1324, 85.0591**, and the grayscale version is **48.3369, 50.8542, 55.3802**.

A 20% lighter version of the original color is **61.0734, 84.1565, 31.7638**, and **19.5947, 35.5462, 5.8284** is the 20% darker color. If you saturate the color by 10%, you get **39.2013, 66.8599, 12.9284**, and if you desaturate by 10%, it is **45.2839, 69.8328, 20.5671**.

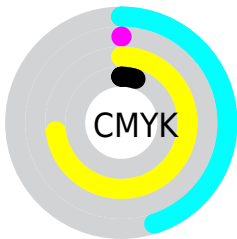
Distribution



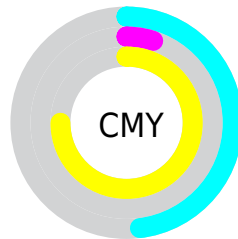
- Red (52%)
- Green (95%)
- Blue (25%)



- Red (25%)
- Yellow (95%)
- Blue (68%)



- Cyan (45%)
- Magenta (0%)
- Yellow (73%)
- Black (5%)





- Cyan (48%)
- Magenta (5%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9252, 68.1978, 15.9548 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 41.9252, 68.1978, 15.9548 by changing the saturation by 10% instead.


 41.9252, 68.1978,
15.9548


 41.9252, 68.1978,
15.9548


345.1697,
454.1965, 240.9115

 29.2336, 50.0587,
9.3382


 77.3523, 116.6351,
37.2854

 19.4028, 35.4600,
4.8626


 100.8185,
147.7020, 52.8365


 12.0674, 24.0174,
2.1095


 128.6068,
183.8470, 72.2028

 6.8621, 15.3466,
0.6214

 161.0828,
225.4544, 95.8028

 3.4216, 9.0630,
0.0000

 198.6117,
272.9087, 124.0552

 1.3804, 4.7823,
0.0000

241.5590,

 0.2422, 2.1201,

326.5942, 157.3784

0.0000

290.2898,
386.8953, 196.1909

0.0000, 0.6759,
0.0000

0.0000, 0.0000,
0.0000

41.9252, 68.1978,
15.9548

41.9252, 68.1978,
15.9548

39.2013, 66.8599,
12.9284

45.2839, 69.8328,
20.5671


37.0525, 65.7867,
11.2676


49.3196, 71.7764,
26.9389


35.8443, 65.1753,
10.6909


54.0756, 74.0498,
35.2258

59.5899, 76.6693,
45.5653

 65.8973, 79.6504,
58.0820

 73.0306, 83.0074,
72.8908

 81.0202, 86.7536,
90.0984

 89.4395, 90.7195,
107.4044

 90.7467, 91.3934,
107.4656

Harmonies

Analogous

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



57.9123, 68.1978, 8.4031



41.9252, 68.1978, 15.9548



33.5267, 68.1978, 41.1915

Triad

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



41.9252, 68.1978, 15.9548



51.9140, 68.1978, 247.2285



113.8455, 68.1978, 55.5593

Complementary

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



41.9252, 68.1978, 15.9548



35.2266, 19.1324, 85.0591

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.



111.2508, 68.1978, 121.4904



41.9252, 68.1978, 15.9548



72.2562, 68.1978, 258.8764

Square

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



41.9252, 68.1978, 15.9548



38.3612, 68.1978, 177.8556



94.8225, 68.1978, 204.2189



101.2877, 68.1978, 21.5460

Rectangle

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



41.9252, 68.1978, 15.9548



31.9846, 68.1978, 74.5023



94.8225, 68.1978, 204.2189



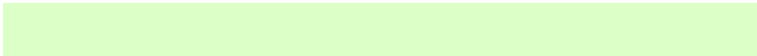
114.7719, 68.1978, 74.0099

Sweetspot

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



41.9268, 68.2007, 15.9563



75.6495, 90.8943, 67.5292



52.2787, 49.1775, 11.7388



15.7499, 19.2465, 13.5571



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.



41.9268, 68.2007, 15.9563



43.2069, 75.3311, 13.5320



35.2983, 64.7020, 19.3355



16.1346, 17.9496, 16.7639



19.5752, 35.4129, 5.8037



1.7358, 3.0014, 0.4878

Inverse Universe

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



35.2266, 19.1324, 85.0591



35.0170, 16.6788, 95.9815



51.1488, 27.6753, 70.6842



15.8376, 15.7135, 19.9199



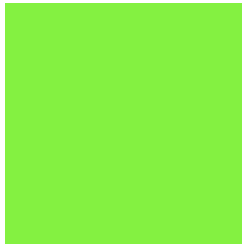
15.5120, 7.0021, 45.6618



1.4008, 0.6394, 3.8038

Previews

White Background



This preview shows how the XYZ color 41.9252, 68.1978, 15.9548 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 41.9252, 68.1978, 15.9548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

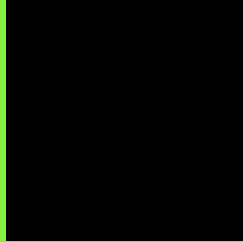
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9252, 68.1978, 15.9548

Background



This preview shows how black text looks on a background with the XYZ color 41.9252, 68.1978, 15.9548.



This preview shows how white text looks on a background with the XYZ color 41.9252, 68.1978,

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

41.9252, 68.1978, 15.9548

Protanopia

60.7455, 66.9239, 13.7190

Deuteranopia

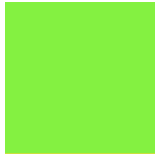
67.2738, 66.9876, 30.1531



Tritanopia

57.6001, 67.7951, 94.8439

Trichromacy



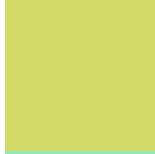
Original Color

41.9252, 68.1978, 15.9548



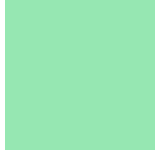
Protanomaly

51.5854, 66.0657, 14.4480



Deuteranomaly

54.5114, 65.4053, 23.3871



Tritanomaly

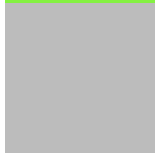
49.1895, 66.8502, 52.4303

Monochromacy



Original Color

41.9252, 68.1978, 15.9548



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

43.4192, 54.9336, 34.3014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9252, 68.1978, 15.9548 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(132, 241, 65)` looks like.

```
.text, #text, p{  
    color:rgb(132, 241, 65)  
}
```

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(132, 241, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 241, 65) }
```

Border

The CSS property to change the border of an element to XYZ 41.9252, 68.1978, 15.9548 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(132, 241, 65) }
```


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

```
.border{ border-color:rgb(132, 241, 65) }
```

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

Here you see how a box with a 4 pixel rgb(132, 241, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 241, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 241, 65);  
box-shadow:4px 4px 4px 4px rgb(132, 241,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9252, 68.1978, 15.9548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 241, 65) }
```

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

```
.background{ background-color: rgb(132,  
241, 65) }
```

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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