

Converting Colors

XYZ(41.3676, 74.3418, 15.3011)

Have a look what the booklet for
XYZ(41.3676, 74.3418, 15.3011)
contains.

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Color

**XYZ(41.3945, 74.3557,
15.3023)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 62FF33 |
| RGB | 98, 255, 51 |
| RGB Percent | 38%, 100%, 20% |
| CMY | 0.6157, 0.0000, 0.8000 |
| CMYK | 0.62, 0.00, 0.80, 0.00 |
| HSL | 106°, 100%, 60% |
| HSV | 106°, 80%, 100% |
| XYZ | 41.3945, 74.3557, 15.3023 |
| YIQ | 184.8010, -28.0880, -96.7280 |

Conversions

Conversions Part 2

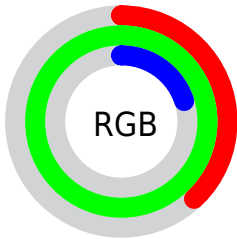
| Format | Color |
|-------------------------------------|--|
| RYB | 51, 255, 208 |
| Decimal | 6487859 |
| CIELab | 89.09, -73.98, 77.21 |
| CIElCh | 89, 106.927, 133.776 |
| Yxy | 74.3557, 0.3159, 0.5674 |
| Android (android.graphics.Color) | 4284677939 (0xFF62FF33) |
| YUV | 184.8010, -65.9639, -76.1245 |
| Hunter-Lab | 86.2298, -65.2133, 49.8392 |

Details

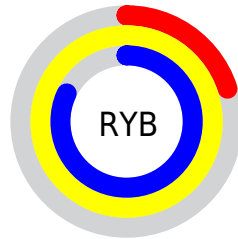
The XYZ color **41.3945, 74.3557, 15.3023** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **45.2495, 22.9999, 96.6622**, and the grayscale version is **46.3702, 48.7850, 53.1269**.

A 20% lighter version of the original color is **54.1071, 80.6274, 28.6305**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **39.1136, 73.2279, 13.0217**, and if you desaturate by 10%, it is **44.5027, 75.8743, 19.2304**.

Distribution



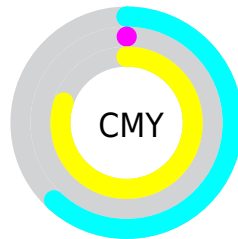
- Red (38%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (82%)



- Cyan (62%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (62%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.3945, 74.3557, 15.3023 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 41.3945, 74.3557, 15.3023 by changing the saturation by 10% instead.


 41.3945, 74.3557,
15.3023


 41.3945, 74.3557,
15.3023


343.0012,
475.7001, 236.8922

 28.8165, 55.0852,
8.8828


 76.5533, 125.3999,
36.1324

 19.0856, 39.4700,
4.5691


 99.8649, 157.9424,
51.3802


 11.8365, 27.1255,
1.9424


 127.4850,
195.6777, 70.4077

 6.7039, 17.6675,
0.5195

 159.7790,
238.9902, 93.6337

 3.3223, 10.7115,
0.0000

 197.1122,
288.2643, 121.4766

 1.3264, 5.8732,
0.0000

239.8501,

 0.2028, 2.7681,

343.8844, 154.3549

0.0000

288.3580,
406.2349, 192.6873

0.0000, 1.0119,
0.0000

0.0000, 0.0000,
0.0000

41.3945, 74.3557,
15.3023

41.3945, 74.3557,
15.3023

39.1136, 73.2279,
13.0217

44.5027, 75.8743,
19.2304

37.5487, 72.4421,
12.0040

48.5165, 77.8191,
25.0364

37.5483, 72.4419,
12.0037

53.5048, 80.2214,
32.9175

59.5291, 83.1091,
43.0453

■ 66.6458, 86.5080,
55.5733

■ 74.9069, 90.4418,
70.6417

■ 84.3611, 94.9328,
88.3799

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



59.4126, 74.3557, 6.2959



41.3945, 74.3557, 15.3023



32.6868, 74.3557, 47.1538

Triad

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



41.3945, 74.3557, 15.3023



57.5915, 74.3557, 311.3006



131.2774, 74.3557, 51.4011

Complementary

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



41.3945, 74.3557, 15.3023



45.2495, 22.9999, 96.6622

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.



130.4428, 74.3557, 127.9738



41.3945, 74.3557, 15.3023



83.2730, 74.3557, 315.2073

Square

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



41.3945, 74.3557, 15.3023



40.3449, 74.3557, 226.1218



111.2607, 74.3557, 234.8199



113.3197, 74.3557, 16.7734

Rectangle

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



41.3945, 74.3557, 15.3023



31.5727, 74.3557, 90.7712



111.2607, 74.3557, 234.8199



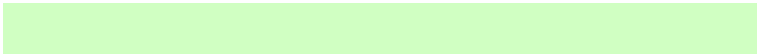
133.2989, 74.3557, 71.8839

Sweetspot

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



41.3947, 74.3557, 15.3034



71.4588, 88.8011, 64.2953



64.2482, 66.3199, 12.5478



14.6722, 18.7104, 12.6286



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.



41.3947, 74.3557, 15.3034



38.1026, 72.7212, 12.3213



39.6965, 73.2524, 25.5214



18.1630, 20.3700, 19.1188



19.7264, 37.9074, 6.2772



2.0112, 3.7376, 0.6154

Inverse Universe

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



45.2495, 22.9999, 96.6622



41.6104, 19.5302, 96.1843



52.9201, 27.8268, 57.5954



18.3595, 18.0771, 22.7715



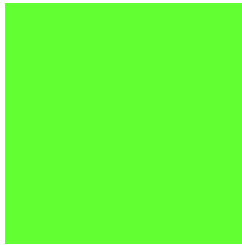
21.4991, 9.9937, 50.2304



2.1881, 1.0219, 4.8952

Previews

White Background



This preview shows how the XYZ color 41.3945, 74.3557, 15.3023 looks on a white background.

Color Contrast Check

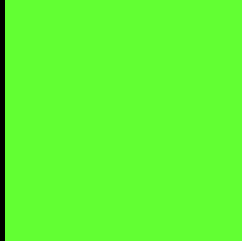
Large Text (above 18pt) WCAG AA × Fail

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 41.3945, 74.3557, 15.3023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

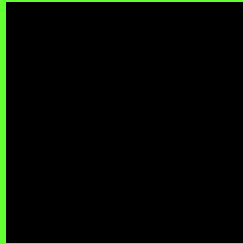
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.3945, 74.3557, 15.3023

Background



This preview shows how black text looks on a background with the XYZ color 41.3945, 74.3557, 15.3023.

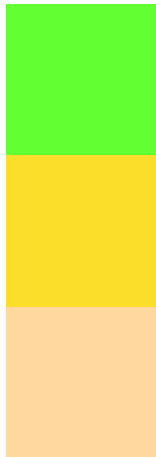


This preview shows how white text looks on a background with the XYZ color 41.3945, 74.3557,

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

41.3945, 74.3557, 15.3023

Protanopia

65.9635, 72.7337, 12.7528

Deuteranopia

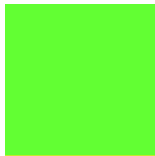
72.1410, 72.9098, 43.5285



Tritanopia

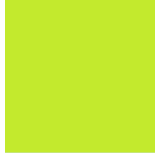
60.0112, 73.8081, 105.6912

Trichromacy



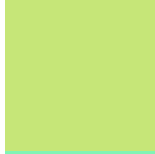
Original Color

41.3945, 74.3557, 15.3023



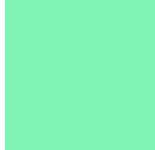
Protanomaly

52.4021, 70.6372, 13.3551



Deuteranomaly

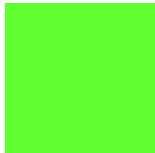
54.9757, 69.9555, 28.3745



Tritanomaly

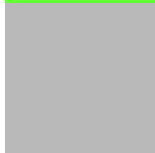
49.5933, 72.6268, 55.1206

Monochromacy



Original Color

41.3945, 74.3557, 15.3023



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

40.6274, 54.6431, 31.6984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3945, 74.3557, 15.3023 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(98, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(98, 255, 51)  
}
```

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(98, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 41.3945, 74.3557, 15.3023 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(98, 255, 51) }
```


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

```
.border{ border-color:rgb(98, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(98, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3945, 74.3557, 15.3023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 255, 51) }
```

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

```
.background{ background-color: rgb(98, 255,  
51) }
```

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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