

Converting Colors

XYZ(57.5905, 100.0000,
38.0834)

Have a look what the booklet for
XYZ(57.5905, 100.0000, 38.0834)
contains.

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Color

**XYZ(45.6338, 76.1290,
34.1190)**

Conversions

Conversions Part 1

Format	Color
Hex	68FF84
RGB	104, 255, 132
RGB Percent	41%, 100%, 52%
CMY	0.5921, 0.0000, 0.4823
CMYK	0.59, 0.00, 0.48, 0.00
HSL	131°, 100%, 70%
HSV	131°, 59%, 100%
XYZ	45.6338, 76.1290, 34.1190
YIQ	195.8290, -50.5130, -70.2650

Conversions

Conversions Part 2

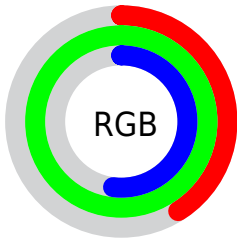
Format	Color
RYB	104, 231, 255
Decimal	6881156
CIELab	89.92, -65.03, 46.77
CIElCh	90, 80.104, 144.273
Yxy	76.1290, 0.2927, 0.4884
Android (android.graphics.Color)	4285071236 (0xFF68FF84)
YUV	195.8290, -31.4677, -80.5340
Hunter-Lab	87.2519, -59.3333, 37.8916

Details

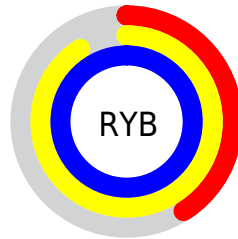
The XYZ color **45.6338, 76.1290, 34.1190** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **60.0554, 36.7070, 76.5918**, and the grayscale version is **52.5712, 55.3090, 60.2315**.

A 20% lighter version of the original color is **60.6660, 83.3233, 59.8993**, and **21.6270, 40.6256, 14.0988** is the 20% darker color. If you saturate the color by 10%, you get **41.8252, 74.3138, 27.2456**, and if you desaturate by 10%, it is **50.6208, 78.5190, 42.5271**.

Distribution



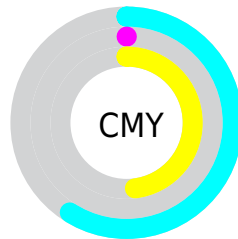
- Red (41%)
- Green (100%)
- Blue (52%)



- Red (41%)
- Yellow (91%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (59%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6338, 76.1290, 34.1190 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 45.6338, 76.1290, 34.1190 by changing the saturation by 10% instead.


 45.6338, 76.1290,
34.1190

 45.6338, 76.1290,
34.1190


360.0751,
481.7892, 335.4477


 32.1603, 56.5383,
22.7069


 82.9019, 127.9092,
67.2547

 21.6401, 40.6347,
14.1740


 107.4273,
160.8676, 89.8154

 13.7078, 28.0337,
8.1017


 136.3673,
199.0505, 116.9294

 7.9981, 18.3511,
4.0714

170.0874,
242.8426, 149.0152

 4.1455, 11.2023,
1.6646

208.9528,
292.6281, 186.4914

 1.7848, 6.2031,
0.3363

253.3290,

 0.5085, 2.9690,

348.7914, 229.7765

0.0000

303.5813,
411.7170, 279.2891

0.0000, 1.1156,
0.0000

0.0000, 0.0000,
0.0000

45.6338, 76.1290,
34.1190

45.6338, 76.1290,
34.1190

41.8252, 74.3138,
27.2456

50.6208, 78.5190,
42.5271

39.0934, 73.0230,
21.8105


56.8737, 81.5270,
52.5513


37.3211, 72.1982,
17.7118

64.4727, 85.1929,
64.2716

36.3377, 71.7540,
14.8314

73.4912, 89.5529,
77.7614

 36.2789, 71.7276,
14.6526

 83.9971, 94.6405,
93.0901

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.



57.8034, 76.1290, 17.9168



45.6338, 76.1290, 34.1190



40.6923, 76.1290, 72.4762

Triad

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



45.6338, 76.1290, 34.1190



68.6238, 76.1290, 245.6876



112.9279, 76.1290, 45.6505

Complementary

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



45.6338, 76.1290, 34.1190



60.0554, 36.7070, 76.5918

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.



117.2565, 76.1290, 94.2598



45.6338, 76.1290, 34.1190



89.1719, 76.1290, 227.3880

Square

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



45.6338, 76.1290, 34.1190



52.3191, 76.1290, 206.7179



107.8910, 76.1290, 164.2922



96.9547, 76.1290, 22.1300

Rectangle

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



45.6338, 76.1290, 34.1190



41.3675, 76.1290, 112.7972



107.8910, 76.1290, 164.2922



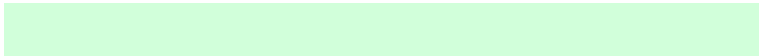
115.9021, 76.1290, 58.8024

Sweetspot

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



45.6342, 76.1292, 34.1202



74.6869, 90.1316, 79.5244



70.0374, 88.9020, 26.5656



15.3809, 18.9991, 16.1275



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.



45.6342, 76.1292, 34.1202



41.2617, 74.0465, 26.1727



52.7541, 78.9772, 71.6131



17.9091, 20.2232, 19.8245



18.9957, 37.4949, 7.8627



1.8846, 3.6648, 0.9502

Inverse Universe

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



60.0554, 36.7070, 76.5918



56.7934, 31.3941, 71.7706



51.8431, 33.4220, 33.3463



18.6397, 18.2392, 21.9856



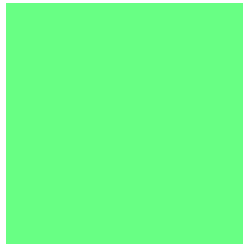
27.5313, 13.5018, 32.5117



2.7163, 1.3289, 3.3537

Previews

White Background



This preview shows how the XYZ color 45.6338, 76.1290, 34.1190 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 45.6338, 76.1290, 34.1190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

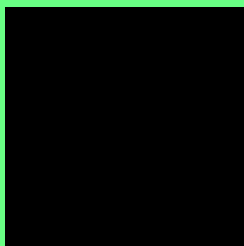
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

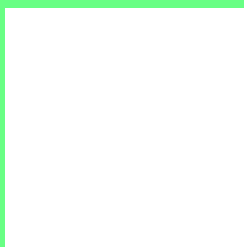
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.6338, 76.1290, 34.1190

Background



This preview shows how black text looks on a background with the XYZ color 45.6338, 76.1290, 34.1190.

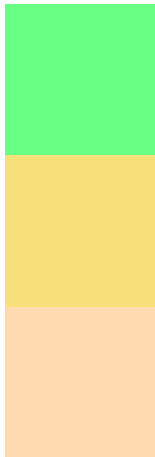


This preview shows how white text looks on a background with the XYZ color 45.6338, 76.1290,

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

45.6338, 76.1290, 34.1190

Protanopia

68.4646, 74.4659, 28.8541

Deuteranopia

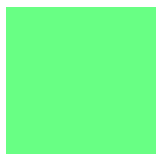
74.2472, 74.5771, 52.0765



Tritanopia

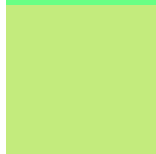
62.1421, 75.3376, 105.8741

Trichromacy



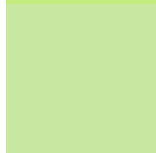
Original Color

45.6338, 76.1290, 34.1190



Protanomaly

55.9157, 72.4994, 30.4488



Deuteranomaly

58.8284, 72.0044, 44.5159



Tritanomaly

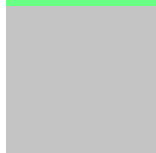
54.1369, 74.5888, 72.5165

Monochromacy



Original Color

45.6338, 76.1290, 34.1190



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

47.4599, 60.4294, 48.6978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6338, 76.1290, 34.1190 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(104, 255, 132)` looks like.

```
.text, #text, p{  
    color:rgb(104, 255, 132)  
}
```

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(104, 255, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 255, 132) }
```

Border

The CSS property to change the border of an element to XYZ 45.6338, 76.1290, 34.1190 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(104, 255, 132) }
```


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

```
.border{ border-color:rgb(104, 255, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 255, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 255, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 255, 132);  
box-shadow:4px 4px 4px 4px rgb(104, 255,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6338, 76.1290, 34.1190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 255, 132) }
```

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

```
.background{ background-color: rgb(104,  
255, 132) }
```

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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