

Converting Colors

XYZ(52.5494, 80.1682, 13.0252)

Have a look what the booklet for
XYZ(52.5494, 80.1682, 13.0252)
contains.

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Color

**XYZ(52.6150, 80.2021,
13.0241)**

Conversions

Conversions Part 1

Format	Color
Hex	ABFF0B
RGB	171, 255, 11
RGB Percent	67%, 100%, 4%
CMY	0.3294, 0.0000, 0.9567
CMYK	0.33, 0.00, 0.96, 0.00
HSL	81°, 100%, 52%
HSV	81°, 96%, 100%
XYZ	52.6150, 80.2021, 13.0241
YIQ	202.0680, 28.2600, -93.6920

Conversions

Conversions Part 2

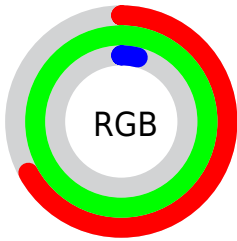
Format	Color
RYB	11, 255, 95
Decimal	11271947
CIELab	91.78, -54.00, 87.28
CIELCh	92, 102.634, 121.748
Yxy	80.2021, 0.3608, 0.5499
Android (android.graphics.Color)	4289462027 (0xFFABFF0B)
YUV	202.0680, -94.1965, -27.2466
Hunter-Lab	89.5556, -51.8515, 54.0664

Details

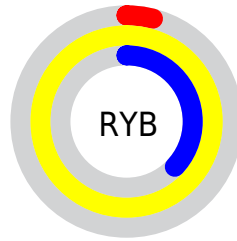
The XYZ color **52.6150, 80.2021, 13.0241** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **22.8935, 9.8952, 95.3111**, and the grayscale version is **56.7415, 59.6965, 65.0094**.

A 20% lighter version of the original color is **71.1500, 89.5203, 24.5955**, and **26.6245, 43.7032, 7.0323** is the 20% darker color. If you saturate the color by 10%, you get **51.7383, 79.7571, 12.6678**, and if you desaturate by 10%, it is **54.8578, 81.3275, 14.5190**.

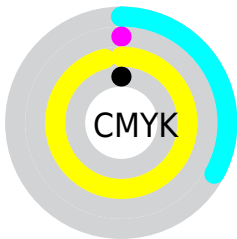
Distribution



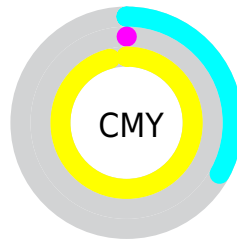
- Red (67%)
- Green (100%)
- Blue (4%)



- Red (4%)
- Yellow (100%)
- Blue (37%)



- Cyan (33%)
- Magenta (0%)
- Yellow (96%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.6150, 80.2021, 13.0241 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 52.6150, 80.2021, 13.0241 by changing the saturation by 10% instead.


 52.6150, 80.2021,
13.0241

 52.6150, 80.2021,
13.0241


387.0914,
495.6137, 222.2853

 37.7218, 59.8847,
7.3142


 93.2065, 133.6498,
32.0389


 25.9430, 43.3257,
3.5780


 119.6354,
167.5489, 46.1809


 16.9135, 30.1407,
1.3968


 150.6403,
206.7441, 63.9707

 10.2678, 19.9454,
0.1392

 186.5865,
251.6196, 85.8268

 5.6405, 12.3554,
0.0000

 227.8393,
302.5599, 112.1678

 2.6663, 6.9862,
0.0000

 274.7642,

 0.9799, 3.4535,

359.9494, 143.4122

0.0000

327.7264,
424.1726, 179.9785

■ 0.0000, 1.3728,
0.0000

■ 0.0000, 0.1966,
0.0000

■ 52.6150, 80.2021,
13.0241

■ 52.6150, 80.2021,
13.0241

■ 51.7383, 79.7571,
12.6678

■ 54.8578, 81.3275,
14.5190

■ 57.5078, 82.6308,
17.4814

■ 60.6175, 84.1332,
22.1771

■ 64.2297, 85.8521,
28.8201

68.3816, 87.8026,
37.5933

73.1058, 89.9980,
48.6586

78.4323, 92.4505,
62.1623

84.3885, 95.1714,
78.2383

91.0001, 98.1712,
97.0111

Harmonies

Analogous

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



74.6987, 80.2021, 7.8481



52.6150, 80.2021, 13.0241



39.8232, 80.2021, 35.1800

Triad

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



52.6150, 80.2021, 13.0241



54.7278, 80.2021, 286.8610



138.7041, 80.2021, 82.9860

Complementary

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



52.6150, 80.2021, 13.0241



22.8935, 9.8952, 95.3111

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.



129.9592, 80.2021, 175.2871



52.6150, 80.2021, 13.0241



77.7815, 80.2021, 326.4999

Square

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



52.6150, 80.2021, 13.0241



40.8314, 80.2021, 187.7375



106.0256, 80.2021, 277.2162



127.7719, 80.2021, 31.1720

Rectangle

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



52.6150, 80.2021, 13.0241



36.3638, 80.2021, 68.1616



106.0256, 80.2021, 277.2162



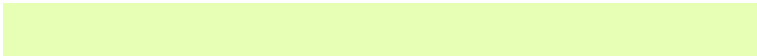
137.9609, 80.2021, 109.7840

Sweetspot

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



52.6151, 80.2021, 13.0252



76.5905, 91.6048, 57.3877



45.1590, 29.0009, 3.5354



15.9099, 19.3844, 11.0614



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.



52.6151, 80.2021, 13.0252



51.7383, 79.7571, 12.6678



37.2214, 72.2664, 12.3048



18.9184, 20.7593, 19.1542



27.2012, 41.7608, 6.6270



2.7660, 4.1267, 0.6507

Inverse Universe

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



22.8935, 9.8952, 95.3111



22.0557, 9.2850, 95.2375



46.0010, 21.8076, 96.3925



17.5927, 17.6818, 22.7356



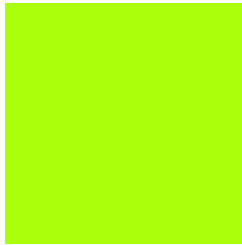
11.6683, 4.9257, 49.7704



1.2481, 0.5373, 4.8512

Previews

White Background



This preview shows how the XYZ color 52.6150, 80.2021, 13.0241 looks on a white background.

Color Contrast Check

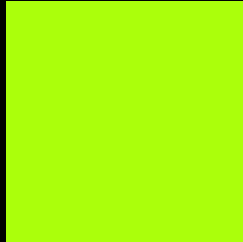
Large Text (above 18pt) WCAG AA × Fail

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 52.6150, 80.2021, 13.0241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

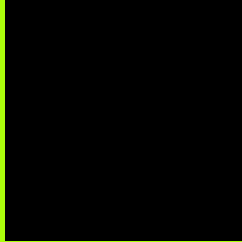
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 52.6150, 80.2021, 13.0241

Background



This preview shows how black text looks on a background with the XYZ color 52.6150, 80.2021, 13.0241.



This preview shows how white text looks on a background with the XYZ color 52.6150, 80.2021,

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

52.6150, 80.2021, 13.0241

Protanopia

72.2641, 79.3911, 24.3473

Deuteranopia

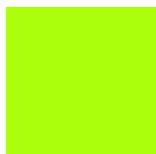
77.4060, 79.2406, 58.2289



Tritanopia

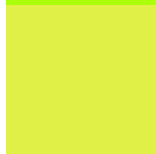
71.6229, 79.7941, 106.2346

Trichromacy



Original Color

52.6150, 80.2021, 13.0241



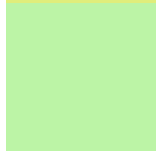
Protanomaly

63.0060, 78.6097, 17.6468



Deuteranomaly

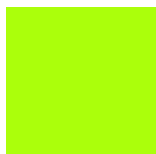
64.5998, 77.8457, 30.3598



Tritanomaly

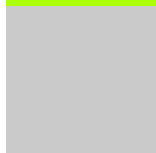
59.9727, 78.1459, 47.9992

Monochromacy



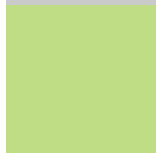
Original Color

52.6150, 80.2021, 13.0241



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

51.5759, 64.4827, 31.9184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.6150, 80.2021, 13.0241 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(171, 255, 11)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 11)  
}
```

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(171, 255, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 11) }
```

Border

The CSS property to change the border of an element to XYZ 52.6150, 80.2021, 13.0241 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(171, 255, 11) }
```


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

```
.border{ border-color:rgb(171, 255, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 255, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 11);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 52.6150, 80.2021, 13.0241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 11) }
```

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

```
.background{ background-color: rgb(171,  
255, 11) }
```

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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