

Converting Colors

XYZ(52.3888, 80.0715, 13.6443)

Have a look what the booklet for
XYZ(52.3888, 80.0715, 13.6443)
contains.

XYZ(52.3086, 80.0296, 13.6676)	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(52.3086, 80.0296,
13.6676)**

Conversions

Conversions Part 1

Format	Color
Hex	A9FF1A
RGB	169, 255, 26
RGB Percent	66%, 100%, 10%
CMY	0.3373, 0.0000, 0.8980
CMYK	0.34, 0.00, 0.90, 0.00
HSL	83°, 100%, 55%
HSV	83°, 90%, 100%
XYZ	52.3086, 80.0296, 13.6676
YIQ	203.1800, 22.2530, -89.4510

Conversions

Conversions Part 2

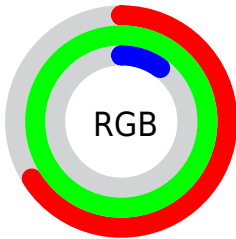
Format	Color
R _Y B	26, 255, 112
Decimal	11140890
CIE Lab	91.70, -54.47, 85.55
CIE LCh	92, 101.416, 122.486
Yxy	80.0296, 0.3583, 0.5481
Android (android.graphics.Color)	4289330970 (0xFFA9FF1A)
YUV	203.1800, -87.3497, -29.9759
Hunter-Lab	89.4593, -52.1812, 53.5631

Details

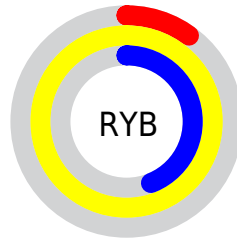
The XYZ color **52.3086, 80.0296, 13.6676** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle washed chartreuse. A complement of this color would be **25.1045, 11.4058, 95.4861**, and the grayscale version is **57.4013, 60.3907, 65.7654**.

A 20% lighter version of the original color is **70.7421, 89.2826, 25.8167**, and **26.3784, 43.5763, 7.0208** is the 20% darker color. If you saturate the color by 10%, you get **50.1447, 78.9353, 12.6081**, and if you desaturate by 10%, it is **54.8617, 81.2969, 15.9927**.

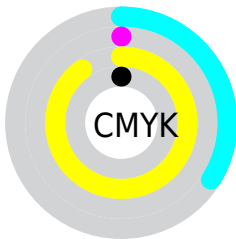
Distribution



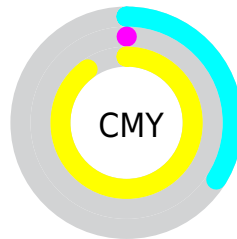
- Red (66%)
- Green (100%)
- Blue (10%)



- Red (10%)
- Yellow (100%)
- Blue (44%)



- Cyan (34%)
- Magenta (0%)
- Yellow (90%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.3086, 80.0296, 13.6676 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 52.3086, 80.0296, 13.6676 by changing the saturation by 10% instead.


 52.3086, 80.0296,
13.6676


 52.3086, 80.0296,
13.6676


385.9312,
495.0326, 226.5091

 37.4764, 59.7427,
7.7537


 92.7577, 133.4073,
33.2067

 25.7519, 43.2113,
3.8523


 119.1054,
167.2670, 47.6689


 16.7698, 30.0509,
1.5447


 150.0222,
206.4197, 65.8178

 10.1648, 19.8772,
0.2509

 185.8735,
251.2498, 88.0717

 5.5715, 12.3058,
0.0000

 227.0247,
302.1418, 114.8492

 2.6245, 6.9523,
0.0000

 273.8412,

 0.9584, 3.4323,

359.4800, 146.5690

0.0000

326.6882,
423.6488, 183.6494

■ 0.0000, 1.3614,
0.0000

■ 0.0000, 0.1880,
0.0000

■ 52.3086, 80.0296,
13.6676

■ 52.3086, 80.0296,
13.6676

■ 50.1447, 78.9353,
12.6081

■ 54.8617, 81.2969,
15.9927

■ 50.1031, 78.9141,
12.5912

■ 57.8772, 82.7670,
19.9500

■ 61.4020, 84.4589,
25.7719

■ 65.4760, 86.3889,
33.6527

■ 70.1341, 88.5713,
43.7621

■ 75.4082, 91.0192,
56.2523

■ 81.3271, 93.7444,
71.2622

■ 87.9178, 96.7581,
88.9198

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.



73.9237, 80.0296, 8.1728



52.3086, 80.0296, 13.6676



39.8644, 80.0296, 36.4230

Triad

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



52.3086, 80.0296, 13.6676



55.2813, 80.0296, 285.0095



137.5341, 80.0296, 81.0910

Complementary

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



52.3086, 80.0296, 13.6676



25.1045, 11.4058, 95.4861

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.



129.4011, 80.0296, 171.1377



52.3086, 80.0296, 13.6676



78.2488, 80.0296, 321.7710

Square

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



52.3086, 80.0296, 13.6676



41.2867, 80.0296, 188.5179



106.1065, 80.0296, 271.5798



126.3438, 80.0296, 30.7493

Rectangle

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



52.3086, 80.0296, 13.6676



36.5725, 80.0296, 69.7699



106.1065, 80.0296, 271.5798



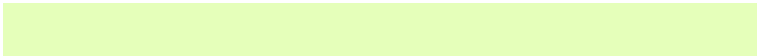
136.9692, 80.0296, 107.1743

Sweetspot

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



52.3087, 80.0296, 13.6687



76.9971, 91.7528, 60.1899



47.0004, 32.4820, 4.7709



16.0667, 19.4478, 11.8597



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.



52.3087, 80.0296, 13.6687



50.1031, 78.9141, 12.5912



37.6085, 72.4514, 12.9808



18.8614, 20.7300, 19.1515



26.3509, 41.3225, 6.5872



2.6869, 4.0859, 0.6470

Inverse Universe

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



25.1045, 11.4058, 95.4861



22.8501, 9.6945, 95.2746



49.3060, 23.8820, 96.6187



17.6476, 17.7101, 22.7382



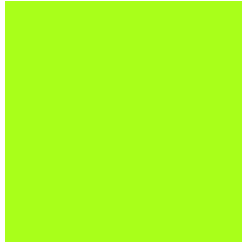
12.0913, 5.1438, 49.7902



1.2937, 0.5608, 4.8533

Previews

White Background



This preview shows how the XYZ color 52.3086, 80.0296, 13.6676 looks on a white background.

Color Contrast Check

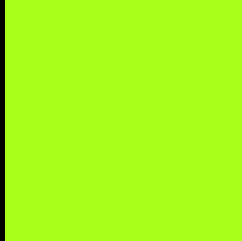
Large Text (above 18pt) WCAG AA × Fail

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 52.3086, 80.0296, 13.6676 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 52.3086, 80.0296, 13.6676

Background



This preview shows how black text looks on a background with the XYZ color 52.3086, 80.0296, 13.6676.

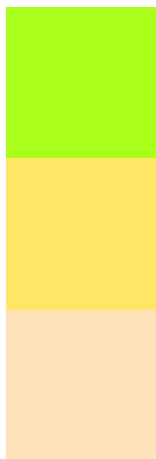


This preview shows how white text looks on a background with the XYZ color 52.3086, 80.0296,

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

52.3086, 80.0296, 13.6676

Protanopia

71.8858, 78.7932, 23.7317

Deuteranopia

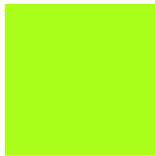
77.2993, 79.1979, 57.6670



Tritanopia

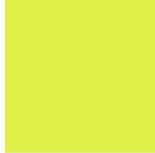
71.0991, 79.5241, 106.2101

Trichromacy



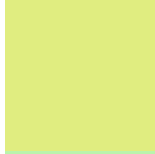
Original Color

52.3086, 80.0296, 13.6676



Protanomaly

62.8430, 78.0747, 18.2363



Deuteranomaly

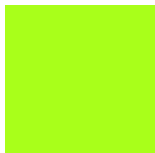
64.9209, 77.9742, 32.0509



Tritanomaly

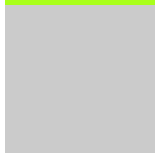
60.0468, 78.1190, 50.9434

Monochromacy



Original Color

52.3086, 80.0296, 13.6676



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.2673, 65.1830, 34.2529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.3086, 80.0296, 13.6676 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(169, 255, 26)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 26)  
}
```

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(169, 255, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 26) }
```

Border

The CSS property to change the border of an element to XYZ 52.3086, 80.0296, 13.6676 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(169, 255, 26) }
```


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

```
.border{ border-color:rgb(169, 255, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 255, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 26);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 52.3086, 80.0296, 13.6676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 26) }
```

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

```
.background{ background-color: rgb(169,  
255, 26) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor