

Converting Colors

XYZ(51.7083, 79.5664, 20.5406)

Have a look what the booklet for
XYZ(51.7083, 79.5664, 20.5406)
contains.

XYZ(51.7802, 79.6028, 20.6184)	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(51.7802, 79.6028,
20.6184)**

Conversions

Conversions Part 1

Format	Color
Hex	A0FF52
RGB	160, 255, 82
RGB Percent	63%, 100%, 32%
CMY	0.3725, 0.0000, 0.6784
CMYK	0.37, 0.00, 0.68, 0.00
HSL	93°, 100%, 66%
HSV	93°, 68%, 100%
XYZ	51.7802, 79.6028, 20.6184
YIQ	206.8730, -1.0870, -73.9430

Conversions

Conversions Part 2

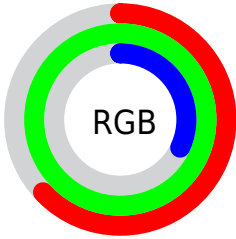
Format	Color
RYB	82, 255, 177
Decimal	10551122
CIELab	91.51, -55.03, 70.51
CIElCh	92, 89.438, 127.971
Yxy	79.6028, 0.3407, 0.5237
Android (android.graphics.Color)	4288741202 (0xFFA0FF52)
YUV	206.8730, -61.5624, -41.1076
Hunter-Lab	89.2204, -52.5409, 48.7527

Details

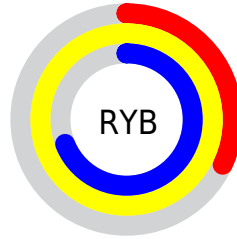
The XYZ color **51.7802, 79.6028, 20.6184** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **39.2005, 22.6033, 96.9045**, and the grayscale version is **59.6109, 62.7153, 68.2970**.

A 20% lighter version of the original color is **69.9354, 88.5997, 37.8416**, and **25.4715, 43.1063, 7.0927** is the 20% darker color. If you saturate the color by 10%, you get **48.3397, 77.9212, 16.2991**, and if you desaturate by 10%, it is **55.8968, 81.5913, 26.8525**.

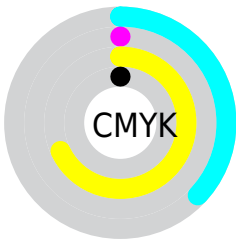
Distribution



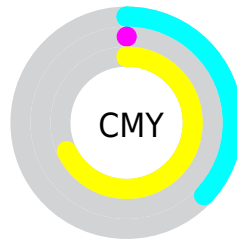
- Red (63%)
- Green (100%)
- Blue (32%)



- Red (32%)
- Yellow (100%)
- Blue (69%)



- Cyan (37%)
- Magenta (0%)
- Yellow (68%)
- Black (0%)





- Cyan (37%)
- Magenta (0%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.7802, 79.6028, 20.6184 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 51.7802, 79.6028, 20.6184 by changing the saturation by 10% instead.


 51.7802, 79.6028,
20.6184


 51.7802, 79.6028,
20.6184


383.9254,
493.5932, 267.9576

 37.0535, 59.3916,
12.6568


 91.9831, 132.8071,
45.3241


 25.4228, 42.9284,
7.0647


 118.1901,
166.5690, 62.9053

 16.5227, 29.8289,
3.4236


 148.9544,
205.6166, 84.5301

 9.9880, 19.7088,
1.3148

 184.6416,
250.3342, 110.6171

 5.4532, 12.1835,
0.0738

225.6169,
301.1063, 141.5848

 2.5530, 6.8688,
0.0000

272.2458,

 0.9221, 3.3802,

358.3172, 177.8518

0.0000

324.8935,
422.3514, 219.8365

■ 0.0000, 1.3333,
0.0000

■ 0.0000, 0.1668,
0.0000

■ 51.7802, 79.6028,
20.6184

■ 51.7802, 79.6028,
20.6184

■ 48.3397, 77.9212,
16.2991

■ 55.8968, 81.5913,
26.8525

■ 45.5220, 76.5239,
13.6681

■ 60.7347, 83.9058,
35.1868

■ 43.2600, 75.3829,
12.4284

■ 66.3350, 86.5640,
45.7888

■ 42.8258, 75.1625,
12.2507

■ 72.7352, 89.5819,
58.8080

■ 79.9699, 92.9743,
74.3814

■ 88.0714, 96.7552,
92.6354

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.



69.7463, 79.6028, 12.3381



51.7802, 79.6028, 20.6184



41.8819, 79.6028, 47.6172

Triad

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



51.7802, 79.6028, 20.6184



60.3889, 79.6028, 262.7598



127.8674, 79.6028, 70.4141

Complementary

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



51.7802, 79.6028, 20.6184



39.2005, 22.6033, 96.9045

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.



123.9702, 79.6028, 142.7649



51.7802, 79.6028, 20.6184



81.8990, 79.6028, 279.7621

Square

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



51.7802, 79.6028, 20.6184



46.1124, 79.6028, 189.0530



105.9415, 79.6028, 227.9758



115.7173, 79.6028, 30.1290

Rectangle

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



51.7802, 79.6028, 20.6184



39.7803, 79.6028, 82.3065



105.9415, 79.6028, 227.9758



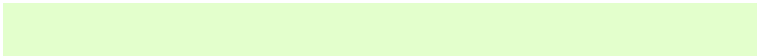
128.4297, 79.6028, 91.1931

Sweetspot

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



51.7804, 79.6028, 20.6196



78.3355, 92.2094, 70.7962



57.9514, 52.2456, 15.0138



16.3245, 19.5292, 14.1940



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.



51.7804, 79.6028, 20.6196



47.3850, 77.4502, 15.2972



40.9922, 74.0149, 21.3089



18.5493, 20.5691, 19.1369



22.5438, 39.3599, 6.4090



2.3187, 3.8961, 0.6298

Inverse Universe

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



39.2005, 22.6033, 96.9045



34.0009, 17.0395, 96.1046



61.3931, 34.1496, 93.1694



17.9566, 17.8694, 22.7527



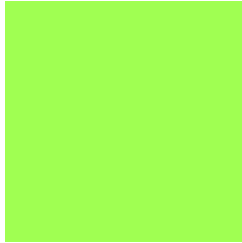
15.2602, 6.7774, 49.9385



1.6117, 0.7248, 4.8682

Previews

White Background



This preview shows how the XYZ color 51.7802, 79.6028, 20.6184 looks on a white background.

Color Contrast Check

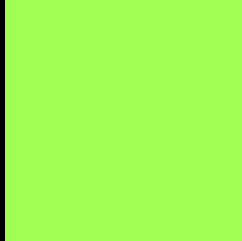
Large Text (above 18pt) WCAG AA × Fail

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 51.7802, 79.6028, 20.6184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

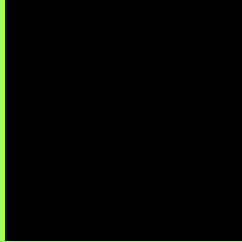
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

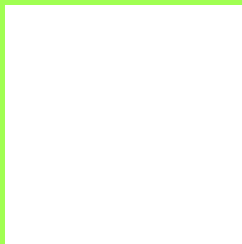
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.7802, 79.6028, 20.6184

Background



This preview shows how black text looks on a background with the XYZ color 51.7802, 79.6028, 20.6184.



This preview shows how white text looks on a background with the XYZ color 51.7802, 79.6028,

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

51.7802, 79.6028, 20.6184

Protanopia

71.6481, 78.6982, 22.4803

Deuteranopia

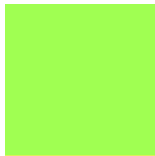
77.0281, 78.6556, 57.5766



Tritanopia

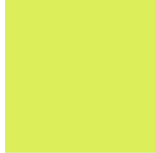
69.8597, 79.3162, 106.2353

Trichromacy



Original Color

51.7802, 79.6028, 20.6184



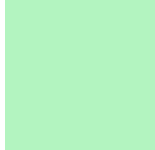
Protanomaly

62.2700, 77.7040, 21.6139



Deuteranomaly

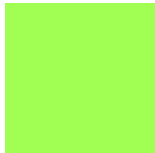
64.8559, 77.3447, 39.5277



Tritanomaly

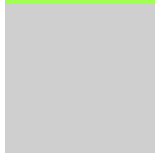
60.4555, 78.0908, 61.7559

Monochromacy



Original Color

51.7802, 79.6028, 20.6184



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

54.4124, 66.8671, 44.2212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.7802, 79.6028, 20.6184 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(160, 255, 82)` looks like.

```
.text, #text, p{  
    color:rgb(160, 255, 82)  
}
```

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(160, 255, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 255, 82) }
```

Border

The CSS property to change the border of an element to XYZ 51.7802, 79.6028, 20.6184 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(160, 255, 82) }
```


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

```
.border{ border-color:rgb(160, 255, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 255, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 255, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 255, 82);  
box-shadow:4px 4px 4px 4px rgb(160, 255,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 51.7802, 79.6028, 20.6184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 255, 82) }
```

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

```
.background{ background-color: rgb(160,  
255, 82) }
```

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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