

Converting Colors

XYZ(62.5367, 100.9400,
29.9467)

Have a look what the booklet for
XYZ(62.5367, 100.9400, 29.9467)
contains.

XYZ(51.8791, 79.5292, 26.2520)	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(51.8791, 79.5292,
26.2520)**

Conversions

Conversions Part 1

Format	Color
Hex	9BFF6A
RGB	155, 255, 106
RGB Percent	61%, 100%, 42%
CMY	0.3922, 0.0000, 0.5843
CMYK	0.39, 0.00, 0.58, 0.00
HSL	100°, 100%, 71%
HSV	100°, 58%, 100%
XYZ	51.8791, 79.5292, 26.2520
YIQ	208.1140, -11.7710, -67.5390

Conversions

Conversions Part 2

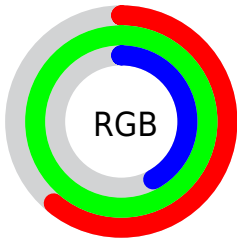
Format	Color
RYB	106, 255, 206
Decimal	10223466
CIELab	91.47, -54.62, 60.82
CIElCh	91, 81.749, 131.929
Yxy	79.5292, 0.3291, 0.5044
Android (android.graphics.Color)	4288413546 (0xFF9BFF6A)
YUV	208.1140, -50.3422, -46.5810
Hunter-Lab	89.1791, -52.2229, 44.9720

Details

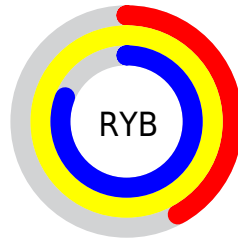
The XYZ color **51.8791, 79.5292, 26.2520** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **48.6592, 30.6513, 97.9594**, and the grayscale version is **60.3499, 63.4928, 69.1436**.

A 20% lighter version of the original color is **69.9246, 88.3894, 47.0936**, and **25.5937, 43.1053, 9.9888** is the 20% darker color. If you saturate the color by 10%, you get **47.6890, 77.5002, 20.1330**, and if you desaturate by 10%, it is **56.9294, 81.9560, 34.4710**.

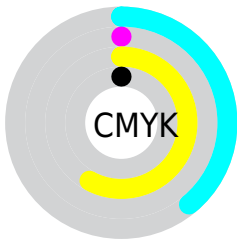
Distribution



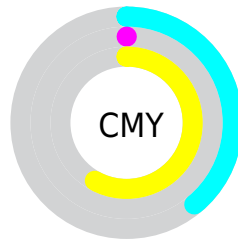
- Red (61%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (81%)



- Cyan (39%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)





- Cyan (39%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8791, 79.5292, 26.2520 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 51.8791, 79.5292, 26.2520 by changing the saturation by 10% instead.


 51.8791, 79.5292,
26.2520

 51.8791, 79.5292,
26.2520


384.3013,
493.3448, 297.6617

 37.1326, 59.3310,
16.7848


 92.1282, 132.7036,
54.6703

 25.4843, 42.8796,
9.9208


 118.3615,
166.4486, 74.4584

 16.5689, 29.7907,
5.2416


 149.1545,
205.4780, 98.5240

 10.0210, 19.6798,
2.3285

 184.8724,
250.1762, 127.2855

 5.4753, 12.1625,
0.7471

225.8807,
300.9276, 161.1615

 2.5663, 6.8544,
0.0000

272.5447,

 0.9288, 3.3712,

358.1166, 200.5705

0.0000

325.2298,
422.1275, 245.9310

0.0000, 1.3285,
0.0000

0.0000, 0.1631,
0.0000

51.8791, 79.5292,
26.2520

51.8791, 79.5292,
26.2520

47.6890, 77.5002,
20.1330

56.9294, 81.9560,
34.4710

44.3028, 75.8443,
15.9194


62.8894, 84.8026,
44.9541


41.6572, 74.5338,
13.3863

69.8049, 88.0894,
57.8535

39.6698, 73.5330,
12.2175

77.7185, 91.8352,
73.3070

 39.4031, 73.3981,
12.0905

 86.6701, 96.0578,
91.4420

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.



67.6167, 79.5292, 15.8980



51.8791, 79.5292, 26.2520



43.5717, 79.5292, 55.6855

Triad

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



51.8791, 79.5292, 26.2520



63.8436, 79.5292, 247.6343



121.8933, 79.5292, 64.9994

Complementary

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



51.8791, 79.5292, 26.2520



48.6592, 30.6513, 97.9594

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.



120.3734, 79.5292, 127.2327



51.8791, 79.5292, 26.2520



84.1670, 79.5292, 254.0937

Square

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



51.8791, 79.5292, 26.2520



49.5554, 79.5292, 187.9701



105.6074, 79.5292, 202.9082



109.4425, 79.5292, 30.3693

Rectangle

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



51.8791, 79.5292, 26.2520



42.2340, 79.5292, 90.5085



105.6074, 79.5292, 202.9082



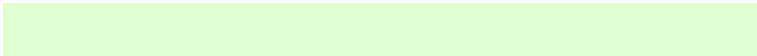
123.0541, 79.5292, 82.7936

Sweetspot

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



51.8793, 79.5293, 26.2532



78.0816, 92.0067, 74.0303



65.7532, 66.1237, 22.9344



16.1945, 19.4483, 14.8178



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.



51.8793, 79.5293, 26.2532



47.1055, 77.2161, 19.3505



45.7900, 76.2187, 33.7131



18.3341, 20.4582, 19.1268



20.7283, 38.4239, 6.3241



2.1278, 3.7977, 0.6209

Inverse Universe

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



48.6592, 30.6513, 97.9594



43.5126, 24.2343, 96.9921



60.7009, 37.2915, 78.9849



18.1781, 17.9836, 22.7630



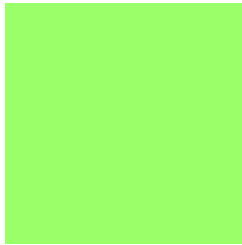
18.3877, 8.3897, 50.0848



1.9056, 0.8763, 4.8820

Previews

White Background



This preview shows how the XYZ color 51.8791, 79.5292, 26.2520 looks on a white background.

Color Contrast Check

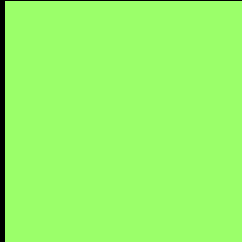
Large Text (above 18pt) WCAG AA × Fail

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 51.8791, 79.5292, 26.2520 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

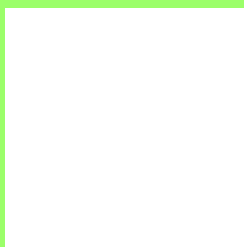
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8791, 79.5292, 26.2520

Background



This preview shows how black text looks on a background with the XYZ color 51.8791, 79.5292, 26.2520.



This preview shows how white text looks on a background with the XYZ color 51.8791, 79.5292,

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

51.8791, 79.5292, 26.2520

Protanopia

71.7414, 78.7355, 22.9716

Deuteranopia

76.9728, 78.2021, 58.6146



Tritanopia

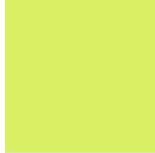
69.1181, 78.9339, 106.2006

Trichromacy



Original Color

51.8791, 79.5292, 26.2520



Protanomaly

62.4289, 77.7327, 24.0255



Deuteranomaly

65.0933, 76.9454, 43.7689



Tritanomaly

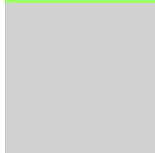
60.5725, 78.0324, 67.1276

Monochromacy



Original Color

51.8791, 79.5292, 26.2520



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

55.2622, 67.6095, 48.6654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8791, 79.5292, 26.2520 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(155, 255, 106)` looks like.

```
.text, #text, p{  
    color:rgb(155, 255, 106)  
}
```

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(155, 255, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 255, 106) }
```

Border

The CSS property to change the border of an element to XYZ 51.8791, 79.5292, 26.2520 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(155, 255, 106) }
```


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

```
.border{ border-color:rgb(155, 255, 106) }
```

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

Here you see how a box with a 4 pixel rgb(155, 255, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 255, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 255, 106);  
box-shadow:4px 4px 4px 4px rgb(155, 255,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8791, 79.5292, 26.2520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 255, 106) }
```

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

```
.background{ background-color: rgb(155,  
255, 106) }
```

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