

Converting Colors

XYZ(51.7575, 77.4860, 20.1181)

Have a look what the booklet for
XYZ(51.7575, 77.4860, 20.1181)
contains.

XYZ(51.9565, 77.8190, 20.2648)	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(51.9565, 77.8190,
20.2648)**

Conversions

Conversions Part 1

Format	Color
Hex	A7FB52
RGB	167, 251, 82
RGB Percent	65%, 98%, 32%
CMY	0.3451, 0.0157, 0.6784
CMYK	0.33, 0.00, 0.67, 0.02
HSL	90°, 95%, 65%
HSV	90°, 67%, 98%
XYZ	51.9565, 77.8190, 20.2648
YIQ	206.6180, 4.1850, -70.3670

Conversions

Conversions Part 2

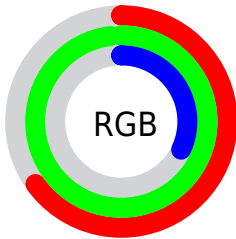
Format	Color
RYB	82, 251, 166
Decimal	11008850
CIELab	90.70, -51.08, 69.77
CIElCh	91, 86.470, 126.206
Yxy	77.8190, 0.3463, 0.5187
Android (android.graphics.Color)	4289198930 (0xFFA7FB52)
YUV	206.6180, -61.4367, -34.7450
Hunter-Lab	88.2151, -49.2443, 48.1304

Details

The XYZ color **51.9565, 77.8190, 20.2648** 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 **36.1593, 21.1090, 93.4398**, and the grayscale version is **59.4451, 62.5409, 68.1070**.

A 20% lighter version of the original color is **71.7842, 89.5528, 37.9281**, and **25.5090, 41.7849, 6.8931** is the 20% darker color. If you saturate the color by 10%, you get **48.6612, 76.2136, 16.0045**, and if you desaturate by 10%, it is **55.8590, 79.7020, 26.3791**.

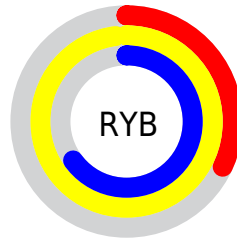
Distribution



Red (65%)

Green (98%)

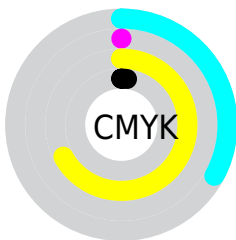
Blue (32%)



Red (32%)

Yellow (98%)

Blue (65%)

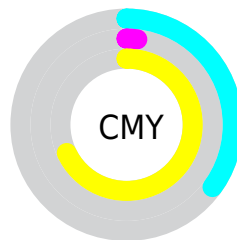


Cyan (33%)

Magenta (0%)

Yellow (67%)

Black (2%)



Cyan (35%)


Magenta (2%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.9565, 77.8190, 20.2648 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 51.9565, 77.8190, 20.2648 by changing the saturation by 10% instead.


 51.9565, 77.8190,
20.2648

 51.9565, 77.8190,
20.2648


384.5954,
487.5519, 265.9965

 37.1945, 57.9253,
12.4017


 92.2417, 130.2949,
44.7255


 25.5325, 41.7486,
6.8920


 118.4956,
163.6460, 62.1601

 16.6051, 28.9045,
3.3172


 149.3109,
202.2516, 83.6224

 10.0469, 19.0086,
1.2588

 185.0529,
246.4961, 109.5308

 5.4926, 11.6765,
0.0277

226.0870,
296.7641, 140.3039

 2.5768, 6.5238,
0.0000

272.7786,

 0.9341, 3.1661,

353.4397, 176.3602

0.0000

325.4929,
416.9075, 218.1182

■ 0.0000, 1.2191,
0.0000

■ 0.0000, 0.0772,
0.0000

■ 51.9565, 77.8190,
20.2648

■ 51.9565, 77.8190,
20.2648

■ 48.6612, 76.2136,
16.0045

■ 55.8590, 79.7020,
26.3791

■ 45.9201, 74.8557,
13.3810

■ 60.4043, 81.8696,
34.5228

■ 43.6755, 73.7242,
12.1208

■ 65.6308, 84.3407,
44.8562

■ 43.1380, 73.4513,
11.9039

■ 71.5722, 87.1294,
57.5226

■ 78.2593, 90.2488,
72.6528

■ 85.7211, 93.7111,
90.3681

■ 93.5456, 97.3522,
108.4682

■ 93.7888, 97.4776,
108.4796

Harmonies

Analogous

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



69.5453, 77.8190, 12.8092



51.9565, 77.8190, 20.2648



41.9814, 77.8190, 45.0906

Triad

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



51.9565, 77.8190, 20.2648



58.3775, 77.8190, 247.8207



123.6754, 77.8190, 72.4597

Complementary

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



51.9565, 77.8190, 20.2648



36.1593, 21.1090, 93.4398

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.



119.0825, 77.8190, 142.6553



51.9565, 77.8190, 20.2648



78.5673, 77.8190, 267.6654

Square

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



51.9565, 77.8190, 20.2648



45.1499, 77.8190, 176.7193



101.4467, 77.8190, 222.3304



112.9936, 77.8190, 31.9363

Rectangle

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



51.9565, 77.8190, 20.2648



39.6575, 77.8190, 77.0697



101.4467, 77.8190, 222.3304



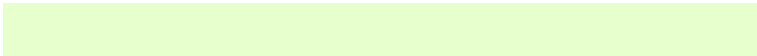
123.8912, 77.8190, 92.8854

Sweetspot

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



51.9583, 77.8224, 20.2665



79.1797, 92.6446, 70.8357



54.5286, 47.5591, 14.2896



16.5261, 19.6332, 14.2034



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.



51.9583, 77.8224, 20.2665



49.3134, 78.4443, 15.3874



39.7522, 71.5299, 19.6953



17.8493, 19.7381, 18.3315



22.8423, 38.6939, 6.2648



2.2379, 3.6468, 0.5859

Inverse Universe

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



36.1593, 21.1090, 93.4398



31.9104, 15.9618, 96.0068



59.2094, 32.9917, 94.5185



17.1050, 17.0667, 21.7780



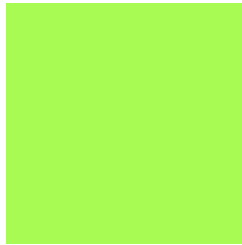
13.7482, 6.0301, 48.4129



1.3955, 0.6215, 4.4896

Previews

White Background



This preview shows how the XYZ color 51.9565, 77.8190, 20.2648 looks on a white background.

Color Contrast Check

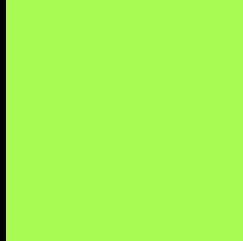
Large Text (above 18pt) WCAG AA × Fail

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 51.9565, 77.8190, 20.2648 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

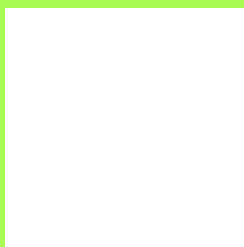
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.9565, 77.8190, 20.2648

Background



This preview shows how black text looks on a background with the XYZ color 51.9565, 77.8190, 20.2648.



This preview shows how white text looks on a background with the XYZ color 51.9565, 77.8190,

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

51.9565, 77.8190, 20.2648

Protanopia

69.9210, 77.0794, 18.0301

Deuteranopia

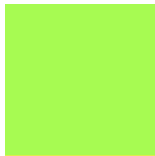
75.4980, 76.7572, 53.4843



Tritanopia

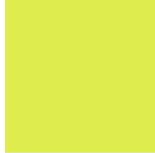
68.9238, 77.5849, 104.2712

Trichromacy



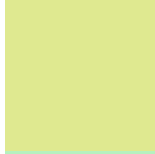
Original Color

51.9565, 77.8190, 20.2648



Protanomaly

61.4948, 76.0706, 18.6497



Deuteranomaly

64.6044, 75.9794, 37.6460



Tritanomaly

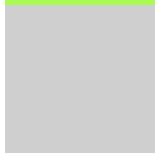
60.1507, 76.6173, 60.9086

Monochromacy



Original Color

51.9565, 77.8190, 20.2648



Achromatopsia

59.3074, 62.3960, 67.9493



Achromatomaly

54.6475, 66.5905, 44.1554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.9565, 77.8190, 20.2648 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(167, 251, 82)` looks like.

```
.text, #text, p{  
    color:rgb(167, 251, 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(167, 251, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 251, 82) }
```

Border

The CSS property to change the border of an element to XYZ 51.9565, 77.8190, 20.2648 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(167, 251, 82) }
```


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

```
.border{ border-color:rgb(167, 251, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 251, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 251, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 251, 82);  
box-shadow:4px 4px 4px 4px rgb(167, 251,  
82) }
```

Background

The CSS property to change the background color of an element to XYZ 51.9565, 77.8190, 20.2648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 251, 82) }
```

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

```
.background{ background-color: rgb(167,  
251, 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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