

Converting Colors

XYZ(51.8765, 79.3625, 33.7218)

Have a look what the booklet for
XYZ(51.8765, 79.3625, 33.7218)
contains.

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Color

**XYZ(51.8219, 79.3347,
33.7009)**

Conversions

Conversions Part 1

Format	Color
Hex	93FF82
RGB	147, 255, 130
RGB Percent	58%, 100%, 51%
CMY	0.4235, 0.0000, 0.4902
CMYK	0.42, 0.00, 0.49, 0.00
HSL	112°, 100%, 75%
HSV	112°, 49%, 100%
XYZ	51.8219, 79.3347, 33.7009
YIQ	208.4580, -24.2430, -61.7710

Conversions

Conversions Part 2

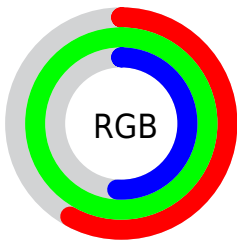
Format	Color
RYB	130, 255, 238
Decimal	9699202
CIELab	91.39, -54.40, 49.86
CIElCh	91, 73.791, 137.492
Yxy	79.3347, 0.3143, 0.4812
Android (android.graphics.Color)	4287889282 (0xFF93FF82)
YUV	208.4580, -38.6798, -53.8987
Hunter-Lab	89.0700, -52.0193, 39.9158

Details

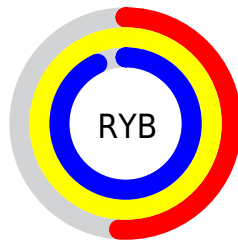
The XYZ color **51.8219, 79.3347, 33.7009** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **61.2938, 41.3637, 99.3612**, and the grayscale version is **60.5062, 63.6573, 69.3228**.

A 20% lighter version of the original color is **69.9706, 88.1446, 59.2247**, and **25.3303, 42.5430, 13.8978** is the 20% darker color. If you saturate the color by 10%, you get **46.7372, 76.8873, 25.6086**, and if you desaturate by 10%, it is **58.0881, 82.3422, 44.0645**.

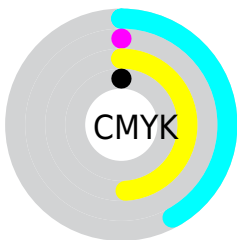
Distribution



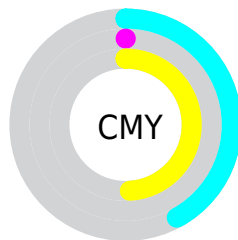
- Red (58%)
- Green (100%)
- Blue (51%)



- Red (51%)
- Yellow (100%)
- Blue (93%)



- Cyan (42%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (42%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8219, 79.3347, 33.7009 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 51.8219, 79.3347, 33.7009 by changing the saturation by 10% instead.

 51.8219, 79.3347,
33.7009

 51.8219, 79.3347,
33.7009


384.0839,
492.6879, 333.5247

 37.0868, 59.1710,
22.3884


 92.0443, 132.4299,
66.5968

 25.4487, 42.7508,
13.9415


 118.2624,
166.1303, 89.0174

 16.5422, 29.6897,
7.9417

 149.0388,
205.1117, 115.9777

 10.0019, 19.6031,
3.9704

184.7389,
249.7585, 147.8963

 5.4625, 12.1069,
1.6091

225.7282,
300.4552, 185.1918

 2.5586, 6.8165,
0.2973


272.3718,


 0.9249, 3.3476,


357.5860, 228.2826


0.0000


325.0353,
421.5355, 277.5874


 0.0000, 1.3158,
0.0000

 0.0000, 0.1534,
0.0000


 51.8219, 79.3347,
33.7009


 51.8219, 79.3347,
33.7009


 46.7372, 76.8873,
25.6086

 58.0881, 82.3422,
44.0645


 42.7576, 74.9644,
19.6138

 65.6032, 85.9412,
56.8485

 39.7993, 73.5268,
15.5236

 74.4309, 90.1616,
72.1936

 37.7657, 72.5297,
13.1080

 84.6300, 95.0308,
90.2287

■ 36.5309, 71.9158, 95.0500, 100.0000,
12.0277 108.9000

■ 36.4422, 71.8717,
11.9519

Harmonies

Analogous

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



65.0768, 79.3347, 20.5750



51.8219, 79.3347, 33.7009



45.3930, 79.3347, 65.8884

Triad

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



51.8219, 79.3347, 33.7009



67.8613, 79.3347, 231.5349



115.2961, 79.3347, 58.9085

Complementary

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



51.8219, 79.3347, 33.7009



61.2938, 41.3637, 99.3612

Split Complementary

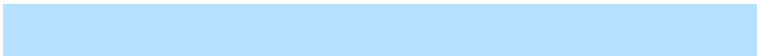
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



116.3766, 79.3347, 110.7373



51.8219, 79.3347, 33.7009



86.7726, 79.3347, 227.0786

Square

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



51.8219, 79.3347, 33.7009



53.5680, 79.3347, 187.0810



105.2373, 79.3347, 176.6508



102.4923, 79.3347, 30.4227

Rectangle

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



51.8219, 79.3347, 33.7009



45.0034, 79.3347, 100.5605



105.2373, 79.3347, 176.6508



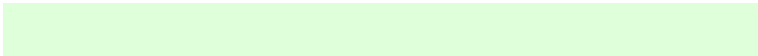
117.1102, 79.3347, 73.6031

Sweetspot

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



51.8223, 79.3349, 33.7021



78.3612, 92.0387, 79.1104



75.3371, 83.0071, 33.1716



16.3252, 19.4865, 16.1445



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

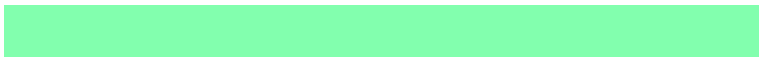
The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.8223, 79.3349, 33.7021



46.7455, 76.8913, 25.6214



52.5823, 79.3124, 52.4553



18.0012, 20.2865, 19.1113



19.1116, 37.5904, 6.2484



1.9278, 3.6946, 0.6115

Inverse Universe

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



61.2938, 41.3637, 99.3612



57.1655, 34.8159, 98.3149



61.0125, 41.9419, 66.6731



18.5355, 18.1678, 22.7798



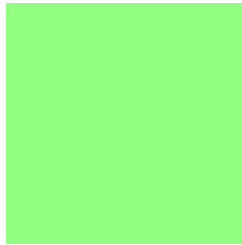
24.9992, 11.7980, 50.3942



2.4983, 1.1818, 4.9097

Previews

White Background



This preview shows how the XYZ color 51.8219, 79.3347, 33.7009 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 51.8219, 79.3347, 33.7009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

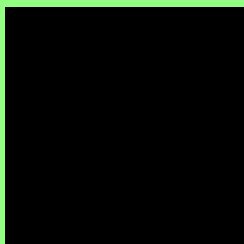
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

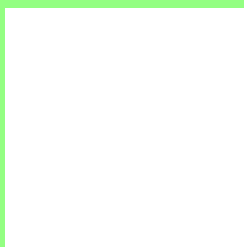
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 51.8219, 79.3347, 33.7009

Background



This preview shows how black text looks on a background with the XYZ color 51.8219, 79.3347, 33.7009.

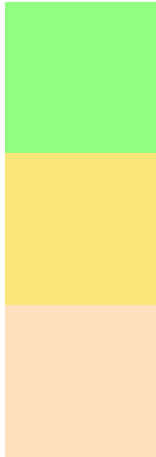


This preview shows how white text looks on a background with the XYZ color 51.8219, 79.3347,

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

51.8219, 79.3347, 33.7009

Protanopia

71.6154, 78.1145, 29.3922

Deuteranopia

77.1899, 78.2890, 59.7581



Tritanopia

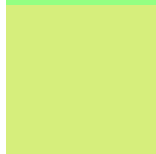
68.4449, 79.0203, 106.2527

Trichromacy



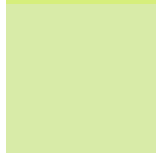
Original Color

51.8219, 79.3347, 33.7009



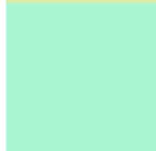
Protanomaly

61.9442, 76.9004, 30.6472



Deuteranomaly

65.0951, 76.8427, 48.4470



Tritanomaly

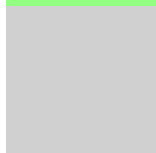
60.8628, 78.5040, 72.9177

Monochromacy



Original Color

51.8219, 79.3347, 33.7009



Achromatopsia

59.9535, 63.0757, 68.6895



Achromatomaly

55.4131, 67.5848, 53.3046

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8219, 79.3347, 33.7009 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(147, 255, 130)` looks like.

```
.text, #text, p{  
    color:rgb(147, 255, 130)  
}
```

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(147, 255, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 255, 130) }
```

Border

The CSS property to change the border of an element to XYZ 51.8219, 79.3347, 33.7009 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(147, 255, 130) }
```


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

```
.border{ border-color:rgb(147, 255, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 255, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 255, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 255, 130);  
box-shadow:4px 4px 4px 4px rgb(147, 255,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8219, 79.3347, 33.7009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 255, 130) }
```

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

```
.background{ background-color: rgb(147,  
255, 130) }
```

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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