

Converting Colors

XYZ(50.5729, 78.6786, 34.1950)

Have a look what the booklet for
XYZ(50.5729, 78.6786, 34.1950)
contains.

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Color

**XYZ(50.5723, 78.6749,
34.3501)**

Conversions

Conversions Part 1

Format	Color
Hex	8BFF84
RGB	139, 255, 132
RGB Percent	55%, 100%, 52%
CMY	0.4549, 0.0000, 0.4823
CMYK	0.45, 0.00, 0.48, 0.00
HSL	117°, 100%, 76%
HSV	117°, 48%, 100%
XYZ	50.5723, 78.6749, 34.3501
YIQ	206.2940, -29.6530, -62.8450

Conversions

Conversions Part 2

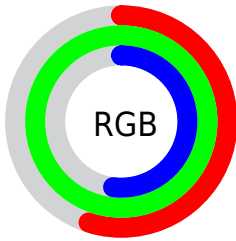
Format	Color
RYB	132, 255, 248
Decimal	9174916
CIELab	91.09, -56.42, 48.48
CIELCh	91, 74.389, 139.327
Yxy	78.6749, 0.3091, 0.4809
Android (android.graphics.Color)	4287364996 (0xFF8BFF84)
YUV	206.2940, -36.6269, -59.0168
Hunter-Lab	88.6989, -53.4500, 39.1282

Details

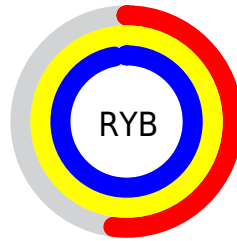
The XYZ color **50.5723, 78.6749, 34.3501** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **65.0140, 43.6803, 99.6123**, and the grayscale version is **59.0955, 62.1731, 67.7065**.

A 20% lighter version of the original color is **68.0183, 87.1136, 60.2434**, and **24.6020, 42.1593, 14.2380** is the 20% darker color. If you saturate the color by 10%, you get **45.4516, 76.2127, 26.0883**, and if you desaturate by 10%, it is **57.0034, 81.7634, 44.9016**.

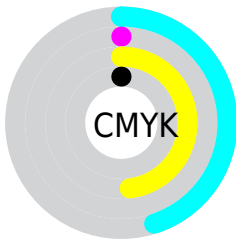
Distribution



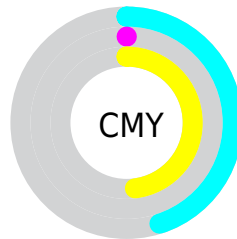
- Red (55%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (97%)



- Cyan (45%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)





- Cyan (45%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.5723, 78.6749, 34.3501 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 50.5723, 78.6749, 34.3501 by changing the saturation by 10% instead.


 50.5723, 78.6749,
34.3501

 50.5723, 78.6749,
34.3501


379.3149,
490.4559, 336.5070


 36.0880, 58.6286,
22.8832


 90.2090, 131.5011,
67.6178

 24.6726, 42.3142,
14.3028


 116.0921,
165.0497, 90.2557

 15.9607, 29.3474,
8.1904


 146.5056,
203.8679, 117.4543

 9.5870, 19.3438,
4.1275

181.8147,
248.3400, 149.6322

 5.1862, 11.9189,
1.6955

222.3848,
298.8505, 187.2078

 2.3928, 6.6885,
0.3577

268.5813,

 0.8415, 3.2681,

355.7837, 230.5998

0.0000

320.7695,
419.5240, 280.2267

0.0000, 1.2732,
0.0000

0.0000, 0.1203,
0.0000

50.5723, 78.6749,
34.3501

50.5723, 78.6749,
34.3501

45.4516, 76.2127,
26.0883

57.0034, 81.7634,
44.9016

41.5501, 74.3333,
19.9431

64.8254, 85.5164,
57.8912

38.7664, 72.9888,
15.7231

74.1138, 89.9697,
73.4594

36.9824, 72.1231,
13.2005

84.9381, 95.1566,
91.7347

■ 36.0485, 71.6659, 95.0500, 100.0000,
12.0623 108.9000

■ 35.9491, 71.6175,
11.9288

Harmonies

Analogous

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



63.4392, 78.6749, 20.3965



50.5723, 78.6749, 34.3501



44.5792, 78.6749, 67.8831

Triad

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



50.5723, 78.6749, 34.3501



68.2804, 78.6749, 233.0195



114.3462, 78.6749, 55.7610

Complementary

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



50.5723, 78.6749, 34.3501



65.0140, 43.6803, 99.6123

Split Complementary

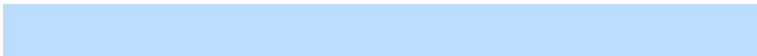
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



116.2308, 78.6749, 106.3057



50.5723, 78.6749, 34.3501



87.3935, 78.6749, 225.2271

Square

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



50.5723, 78.6749, 34.3501



53.6035, 78.6749, 190.6376



105.6875, 78.6749, 172.4172



100.9027, 78.6749, 28.6853

Rectangle

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



50.5723, 78.6749, 34.3501



44.4748, 78.6749, 103.5652



105.6875, 78.6749, 172.4172



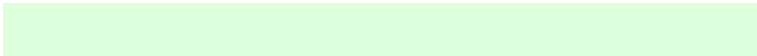
116.4287, 78.6749, 69.9538

Sweetspot

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



50.5727, 78.6751, 34.3513



78.5054, 92.0745, 80.8596



78.6048, 89.3254, 34.9296



16.3169, 19.4746, 16.4870



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

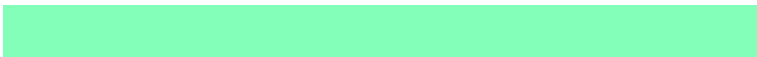
The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.5727, 78.6751, 34.3513



45.5572, 76.2634, 26.2567



54.0651, 79.9413, 58.6469



17.8672, 20.2174, 19.1050



18.8218, 37.4411, 6.2348



1.8647, 3.6621, 0.6086

Inverse Universe

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



65.0140, 43.6803, 99.6123



61.5300, 37.4552, 98.5943



60.1171, 42.0136, 60.6329



18.6846, 18.2446, 22.7867



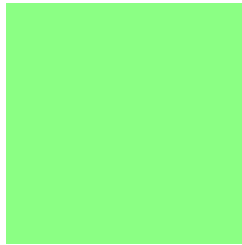
28.3401, 13.5203, 50.5506



2.7892, 1.3318, 4.9233

Previews

White Background



This preview shows how the XYZ color 50.5723, 78.6749, 34.3501 looks on a white background.

Color Contrast Check

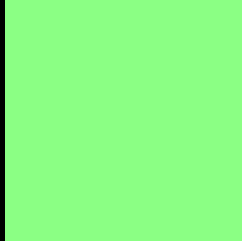
Large Text (above 18pt) WCAG AA × Fail

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 50.5723, 78.6749, 34.3501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

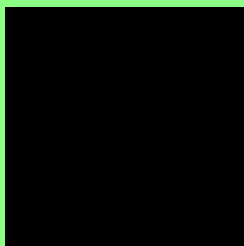
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

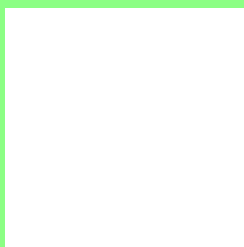
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.5723, 78.6749, 34.3501

Background



This preview shows how black text looks on a background with the XYZ color 50.5723, 78.6749, 34.3501.

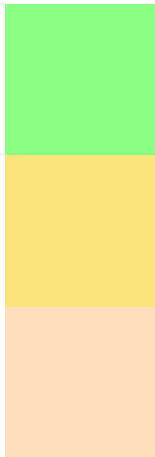


This preview shows how white text looks on a background with the XYZ color 50.5723, 78.6749,

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

50.5723, 78.6749, 34.3501

Protanopia

71.1022, 77.4261, 29.9361

Deuteranopia

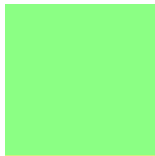
76.5973, 77.6232, 57.9594



Tritanopia

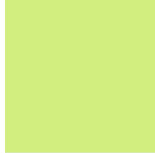
67.0480, 78.3001, 106.1874

Trichromacy



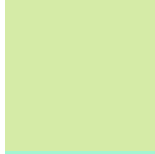
Original Color

50.5723, 78.6749, 34.3501



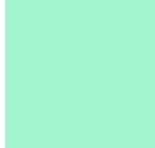
Protanomaly

60.9188, 76.3571, 31.2663



Deuteranomaly

64.1240, 76.3528, 47.9171



Tritanomaly

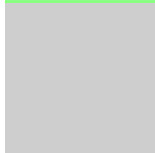
59.3895, 77.7445, 72.8488

Monochromacy



Original Color

50.5723, 78.6749, 34.3501



Achromatopsia

58.6655, 61.7207, 67.2138



Achromatomaly

54.0837, 66.5111, 52.6352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.5723, 78.6749, 34.3501 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(139, 255, 132)` looks like.

```
.text, #text, p{  
    color:rgb(139, 255, 132)  
}
```

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(139, 255, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 255, 132) }
```

Border

The CSS property to change the border of an element to XYZ 50.5723, 78.6749, 34.3501 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(139, 255, 132) }
```


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

```
.border{ border-color:rgb(139, 255, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 255, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 255, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 255, 132);  
box-shadow:4px 4px 4px 4px rgb(139, 255,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 50.5723, 78.6749, 34.3501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 255, 132) }
```

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

```
.background{ background-color: rgb(139,  
255, 132) }
```

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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