

Converting Colors

XYZ(50.5644, 78.6660, 34.5656)

Have a look what the booklet for
XYZ(50.5644, 78.6660, 34.5656)
contains.

XYZ(50.6411, 78.7024, 34.7123)	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(50.6411, 78.7024,
34.7123)**

Conversions

Conversions Part 1

Format	Color
Hex	8BFF85
RGB	139, 255, 133
RGB Percent	55%, 100%, 52%
CMY	0.4549, 0.0000, 0.4784
CMYK	0.45, 0.00, 0.48, 0.00
HSL	117°, 100%, 76%
HSV	117°, 48%, 100%
XYZ	50.6411, 78.7024, 34.7123
YIQ	206.4080, -29.9740, -62.5340

Conversions

Conversions Part 2

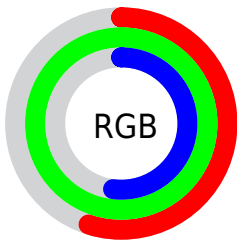
Format	Color
RYB	133, 255, 249
Decimal	9174917
CIELab	91.10, -56.29, 48.03
CIElCh	91, 73.995, 139.529
Yxy	78.7024, 0.3087, 0.4797
Android (android.graphics.Color)	4287364997 (0xFF8BFF85)
YUV	206.4080, -36.1901, -59.1168
Hunter-Lab	88.7144, -53.3564, 38.9010

Details

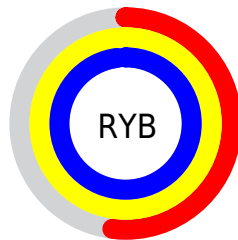
The XYZ color **50.6411, 78.7024, 34.7123** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **65.5057, 44.1361, 99.6743**, and the grayscale version is **59.1663, 62.2475, 67.7876**.

A 20% lighter version of the original color is **68.1258, 87.1566, 60.8093**, and **24.6387, 42.1740, 14.4312** is the 20% darker color. If you saturate the color by 10%, you get **45.4784, 76.2204, 26.3642**, and if you desaturate by 10%, it is **57.1299, 81.8187, 45.3569**.

Distribution



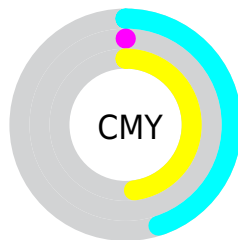
- Red (55%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (98%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6411, 78.7024, 34.7123 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 50.6411, 78.7024, 34.7123 by changing the saturation by 10% instead.


 50.6411, 78.7024,
34.7123


 50.6411, 78.7024,
34.7123


379.5784,
490.5490, 338.1622


 36.1429, 58.6512,
23.1596


 90.3102, 131.5398,
68.1863

 24.7152, 42.3324,
14.5050


 116.2118,
165.0948, 90.9447

 15.9926, 29.3616,
8.3300


 146.6453,
203.9198, 118.2754

 9.6097, 19.3546,
4.2160

181.9761,
248.3992, 150.5969

 5.2013, 11.9268,
1.7446

222.5694,
298.9174, 188.3278

 2.4018, 6.6938,
0.3910

268.7907,

 0.8460, 3.2714,

355.8589, 231.8867

0.0000

321.0052,
419.6079, 281.6919

0.0000, 1.2750,
0.0000

0.0000, 0.1217,
0.0000

50.6411, 78.7024,
34.7123

50.6411, 78.7024,
34.7123

45.4784, 76.2204,
26.3642

57.1299, 81.8187,
45.3569

41.5492, 74.3285,
20.1403

65.0266, 85.6080,
58.4459

38.7506, 72.9778,
15.8500

74.4075, 90.1069,
74.1195

36.9628, 72.1115,
13.2673

85.3434, 95.3489,
92.5059

■ 36.0353, 71.6584, 95.0500, 100.0000,
12.0902 108.9000

■ 35.9192, 71.6021,
11.9275

Harmonies

Analogous

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



63.4125, 78.7024, 20.6546



50.6411, 78.7024, 34.7123



44.7149, 78.7024, 68.3022

Triad

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



50.6411, 78.7024, 34.7123



68.4558, 78.7024, 232.1563



114.0848, 78.7024, 55.6631

Complementary

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



50.6411, 78.7024, 34.7123



65.5057, 44.1361, 99.6743

Split Complementary

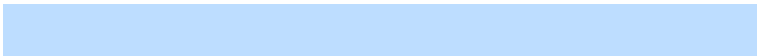
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



116.0441, 78.7024, 105.8116



50.6411, 78.7024, 34.7123



87.4847, 78.7024, 224.0684

Square

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



50.6411, 78.7024, 34.7123



53.8019, 78.7024, 190.3807



105.6409, 78.7024, 171.4563



100.6645, 78.7024, 28.7870

Rectangle

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



50.6411, 78.7024, 34.7123



44.6421, 78.7024, 103.9047



105.6409, 78.7024, 171.4563



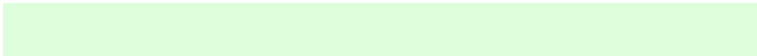
116.1817, 78.7024, 69.7452

Sweetspot

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



50.6415, 78.7026, 34.7135



78.4213, 92.0311, 80.8556



79.3187, 90.6432, 35.5068



16.2968, 19.4642, 16.4860



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

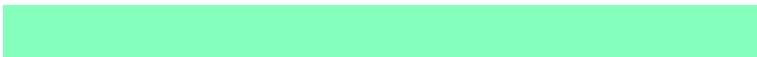
The Same Dimension uses a secret algorithm to generate beautiful new colors.



50.6415, 78.7026, 34.7135



45.8641, 76.4060, 26.9827



54.4999, 80.1334, 60.1163



17.8541, 20.2107, 19.1044



18.8031, 37.4314, 6.2340



1.8586, 3.6589, 0.6083

Inverse Universe

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



65.5057, 44.1361, 99.6743



62.2480, 38.2263, 98.7053



60.0652, 42.2108, 59.6875



18.6992, 18.2522, 22.7874



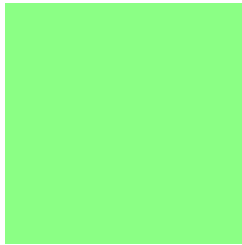
28.6870, 13.6992, 50.5668



2.8192, 1.3473, 4.9247

Previews

White Background



This preview shows how the XYZ color 50.6411, 78.7024, 34.7123 looks on a white background.

Color Contrast Check

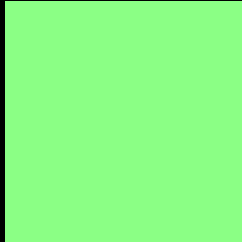
Large Text (above 18pt) WCAG AA × Fail

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 50.6411, 78.7024, 34.7123 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 50.6411, 78.7024, 34.7123

Background



This preview shows how black text looks on a background with the XYZ color 50.6411, 78.7024, 34.7123.



This preview shows how white text looks on a background with the XYZ color 50.6411, 78.7024,

34.7123.

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

50.6411, 78.7024, 34.7123

Protanopia

71.1652, 77.4513, 30.2676

Deuteranopia

76.7048, 77.6662, 58.5252



Tritanopia

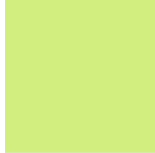
67.0480, 78.3001, 106.1874

Trichromacy



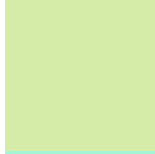
Original Color

50.6411, 78.7024, 34.7123



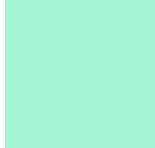
Protanomaly

60.9836, 76.3830, 31.6079



Deuteranomaly

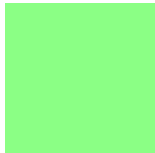
64.2168, 76.3899, 48.4059



Tritanomaly

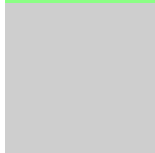
59.5145, 77.7945, 73.5071

Monochromacy



Original Color

50.6411, 78.7024, 34.7123



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 50.6411, 78.7024, 34.7123 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, 133)` looks like.

```
.text, #text, p{  
    color:rgb(139, 255, 133)  
}
```

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, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 255, 133) }
```

Border

The CSS property to change the border of an element to XYZ 50.6411, 78.7024, 34.7123 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, 133) }
```


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

```
.border{ border-color:rgb(139, 255, 133) }
```

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, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 255, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 255, 133);  
box-shadow:4px 4px 4px 4px rgb(139, 255,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6411, 78.7024, 34.7123 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, 133) }
```

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

```
.background{ background-color: rgb(139,  
255, 133) }
```

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