

Converting Colors

XYZ(50.1935, 78.4301, 36.5691)

Have a look what the booklet for
XYZ(50.1935, 78.4301, 36.5691)
contains.

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Color

**XYZ(50.1790, 78.4233,
36.5373)**

Conversions

Conversions Part 1

Format	Color
Hex	86FF8A
RGB	134, 255, 138
RGB Percent	53%, 100%, 54%
CMY	0.4745, 0.0000, 0.4588
CMYK	0.47, 0.00, 0.46, 0.00
HSL	122°, 100%, 76%
HSV	122°, 47%, 100%
XYZ	50.1790, 78.4233, 36.5373
YIQ	205.4830, -34.5590, -62.0390

Conversions

Conversions Part 2

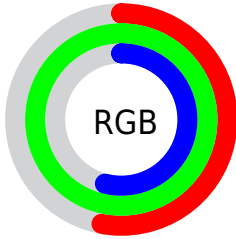
Format	Color
RYB	134, 251, 255
Decimal	8847242
CIELab	90.97, -56.98, 45.45
CIELCh	91, 72.890, 141.420
Yxy	78.4233, 0.3039, 0.4749
Android (android.graphics.Color)	4287037322 (0xFF86FF8A)
YUV	205.4830, -33.2691, -62.6906
Hunter-Lab	88.5569, -53.8312, 37.5277

Details

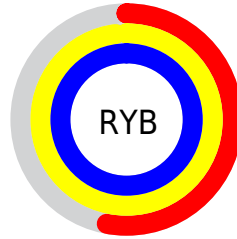
The XYZ color **50.1790, 78.4233, 36.5373** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **67.1776, 45.2755, 96.4635**, and the grayscale version is **58.5572, 61.6068, 67.0898**.

A 20% lighter version of the original color is **67.3780, 86.7077, 63.6371**, and **24.3536, 42.0048, 15.4185** is the 20% darker color. If you saturate the color by 10%, you get **45.0057, 75.9398, 28.0111**, and if you desaturate by 10%, it is **56.7381, 81.5745, 47.2458**.

Distribution



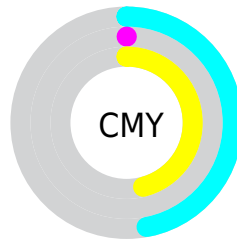
- Red (53%)
- Green (100%)
- Blue (54%)



- Red (53%)
- Yellow (98%)
- Blue (100%)



- Cyan (47%)
- Magenta (0%)
- Yellow (46%)
- Black (0%)





- Cyan (47%)
- Magenta (0%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.1790, 78.4233, 36.5373 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 50.1790, 78.4233, 36.5373 by changing the saturation by 10% instead.


 50.1790, 78.4233,
36.5373


 50.1790, 78.4233,
36.5373


377.8060,
489.6032, 346.4111


 35.7740, 58.4218,
24.5565


 89.6303, 131.1467,
71.0389

 24.4290, 42.1478,
15.5309


 115.4073,
164.6373, 94.3968

 15.7786, 29.2171,
9.0421

 145.7057,
203.3931, 122.3841

 9.4575, 19.2451,
4.6715

180.8908,
247.7984, 155.4194

 5.1003, 11.8475,
2.0005

221.3281,
298.2377, 193.9212

 2.3416, 6.6399,
0.5556

267.3828,

 0.8158, 3.2379,

355.0954, 238.3081

0.0000

319.4203,
418.7557, 288.9985

0.0000, 1.2572,
0.0000

0.0000, 0.1077,
0.0000

50.1790, 78.4233,
36.5373

50.1790, 78.4233,
36.5373

45.0057, 75.9398,
28.0111

56.7381, 81.5745,
47.2458

41.1176, 74.0751,
21.5139

64.7715, 85.4359,
60.2685

38.4024, 72.7752,
16.8785

74.3616, 90.0475,
75.7312

36.7282, 71.9761,
13.9094

85.5845, 95.4459,
93.7495

■ 35.9256, 71.5957, 95.0500, 100.0000,
12.3674 108.9000

■ 35.8062, 71.5385,
12.1633

Harmonies

Analogous

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



62.3601, 78.4233, 21.5648



50.1790, 78.4233, 36.5373



44.7639, 78.4233, 71.1587

Triad

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



50.1790, 78.4233, 36.5373



69.3885, 78.4233, 229.7116



112.5276, 78.4233, 53.4964

Complementary

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



50.1790, 78.4233, 36.5373



67.1776, 45.2755, 96.4635

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.



115.2417, 78.4233, 101.4016



50.1790, 78.4233, 36.5373



88.2085, 78.4233, 218.5626

Square

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



50.1790, 78.4233, 36.5373



54.5963, 78.4233, 191.5013



105.7290, 78.4233, 165.3609



98.8280, 78.4233, 28.1799

Rectangle

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



50.1790, 78.4233, 36.5373



44.9808, 78.4233, 107.0445



105.7290, 78.4233, 165.3609



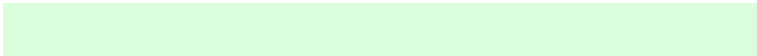
114.8354, 78.4233, 66.8719

Sweetspot

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



50.1794, 78.4235, 36.5385



78.0458, 91.8195, 81.6539



80.5651, 94.1208, 36.4756



16.2070, 19.4136, 16.6769



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.



50.1794, 78.4235, 36.5385



45.2103, 76.0379, 28.3504



55.6145, 80.5976, 65.1595



17.7959, 20.1779, 19.2283



18.7200, 37.3846, 6.4109



1.8309, 3.6433, 0.6673

Inverse Universe

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



67.1776, 45.2755, 96.4635



64.0638, 39.2507, 94.8005



59.3334, 42.1378, 55.1570



18.7652, 18.2894, 22.6466



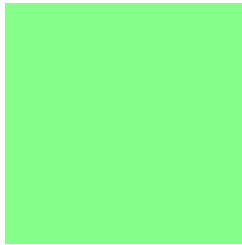
30.2978, 14.6084, 47.0800



2.9578, 1.4255, 4.6253

Previews

White Background



This preview shows how the XYZ color 50.1790, 78.4233, 36.5373 looks on a white background.

Color Contrast Check

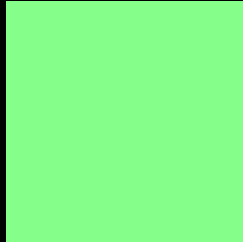
Large Text (above 18pt) WCAG AA × Fail

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 50.1790, 78.4233, 36.5373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

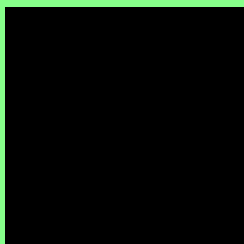
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

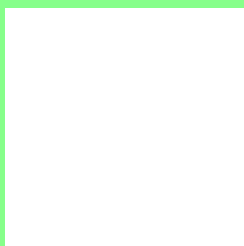
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.1790, 78.4233, 36.5373

Background



This preview shows how black text looks on a background with the XYZ color 50.1790, 78.4233, 36.5373.

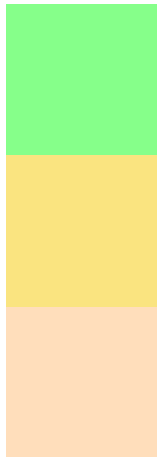


This preview shows how white text looks on a background with the XYZ color 50.1790, 78.4233,

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

50.1790, 78.4233, 36.5373

Protanopia

71.0640, 77.3693, 31.6104

Deuteranopia

76.3309, 77.0904, 57.8706



Tritanopia

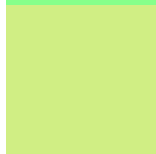
66.3721, 77.9517, 106.1557

Trichromacy



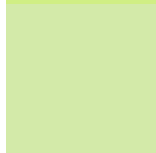
Original Color

50.1790, 78.4233, 36.5373



Protanomaly

60.7518, 76.2249, 33.3407



Deuteranomaly

63.4482, 75.5591, 48.7764



Tritanomaly

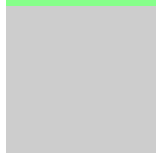
58.8341, 77.4292, 74.1318

Monochromacy



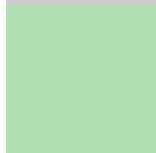
Original Color

50.1790, 78.4233, 36.5373



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

53.3186, 65.6953, 53.5863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.1790, 78.4233, 36.5373 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(134, 255, 138)` looks like.

```
.text, #text, p{  
    color:rgb(134, 255, 138)  
}
```

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(134, 255, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 255, 138) }
```

Border

The CSS property to change the border of an element to XYZ 50.1790, 78.4233, 36.5373 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(134, 255, 138) }
```


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

```
.border{ border-color:rgb(134, 255, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 255, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 255, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 255, 138);  
box-shadow:4px 4px 4px 4px rgb(134, 255,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 50.1790, 78.4233, 36.5373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 255, 138) }
```

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

```
.background{ background-color: rgb(134,  
255, 138) }
```

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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