

# Converting Colors

XYZ(51.1112, 74.4988, 26.2736)

Have a look what the booklet for  
XYZ(51.1112, 74.4988, 26.2736)  
contains.

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# Color

**XYZ(51.1386, 74.5159,  
26.1557)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6F56D
RGB	166, 245, 109
RGB Percent	65%, 96%, 43%
CMY	0.3490, 0.0392, 0.5725
CMYK	0.32, 0.00, 0.56, 0.04
HSL	95°, 87%, 69%
HSV	95°, 56%, 96%
XYZ	51.1386, 74.5159, 26.1557
YIQ	205.8750, -3.4280, -59.0440

# Conversions

## Conversions Part 2

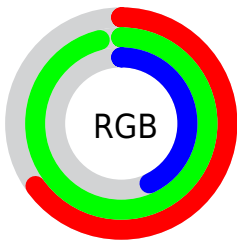
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">109, 245, 188</a>
Decimal	<a href="#">10941805</a>
<a href="#">CIELab</a>	<a href="#">89.17, -46.63, 56.99</a>
<a href="#">CIElCh</a>	<a href="#">89, 73.640, 129.290</a>
<a href="#">Yxy</a>	<a href="#">74.5159, 0.3369, 0.4908</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4289131885 (0xFFA6F56D)</a>
<a href="#">YUV</a>	<a href="#">205.8750, -47.7594, -34.9704</a>
<a href="#">Hunter-Lab</a>	<a href="#">86.3226, -45.3189, 42.4610</a>

# Details

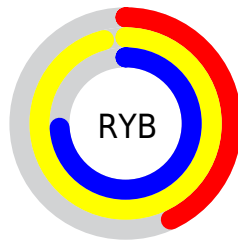
The XYZ color **51.1386, 74.5159, 26.1557** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **42.6925, 28.2235, 89.5878**, and the grayscale version is **58.8855, 61.9522, 67.4659**.

A 20% lighter version of the original color is **73.2013, 90.0476, 48.6448**, and **24.9557, 39.4840, 9.7959** is the 20% darker color. If you saturate the color by 10%, you get **47.1794, 72.6089, 20.0195**, and if you desaturate by 10%, it is **55.7992, 76.7466, 34.2461**.

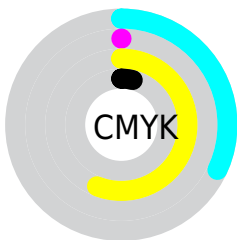
# Distribution



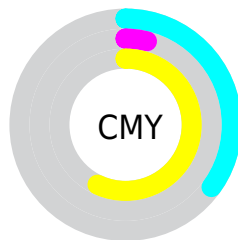
- Red (65%)
- Green (96%)
- Blue (43%)



- Red (43%)
- Yellow (96%)
- Blue (74%)



- Cyan (32%)
- Magenta (0%)
- Yellow (56%)
- Black (4%)




- Cyan (35%)
- Magenta (4%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1386, 74.5159, 26.1557 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 51.1386, 74.5159, 26.1557 by changing the saturation by 10% instead.





 51.1386, 74.5159,  
26.1557


 51.1386, 74.5159,  
26.1557


381.4808,  
476.2520, 297.1753

 36.5404, 55.2164,  
16.7133


 91.0414, 125.6269,  
54.5132


 25.0239, 39.5750,  
9.8705


 117.0767,  
158.2071, 74.2654

 16.2237, 27.2073,  
5.2087

 147.6551,  
195.9830, 98.2913

 9.7744, 17.7290,  
2.3094

 183.1419,  
239.3391, 127.0095

 5.3108, 10.7556,  
0.7365

223.9026,  
288.6596, 160.8384

 2.4674, 5.9027,  
0.0000

270.3024,

 0.8788, 2.7860,

344.3290, 200.1967

0.0000

322.7067,  
406.7317, 245.5028

0.0000, 1.0211,  
0.0000

0.0000, 0.0000,  
0.0000

51.1386, 74.5159,  
26.1557

51.1386, 74.5159,  
26.1557

47.1794, 72.6089,  
20.0195

55.7992, 76.7466,  
34.2461

43.8741, 70.9979,  
15.6669


61.1937, 79.3077,  
44.4326


41.1765, 69.6655,  
12.9061


67.3590, 82.2176,  
56.8497


39.0296, 68.5877,  
11.4983

74.3273, 85.4902,  
71.6190

 38.2107, 68.1725,  
11.1447

 82.1291, 89.1388,  
88.8537

 90.6305, 93.1108,  
107.8032

 91.9440, 93.7879,  
107.8647

# Harmonies

## Analogous

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



65.3976, 74.5159, 17.4548



51.1386, 74.5159, 26.1557



43.1960, 74.5159, 50.9574

# Triad

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



51.1386, 74.5159, 26.1557



59.3066, 74.5159, 213.1775



110.6426, 74.5159, 66.1997

# Complementary

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



51.1386, 74.5159, 26.1557



42.6925, 28.2235, 89.5878

# 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.



108.2666, 74.5159, 121.3543



51.1386, 74.5159, 26.1557



76.5449, 74.5159, 223.0186

# Square

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



51.1386, 74.5159, 26.1557



47.3287, 74.5159, 161.2147



95.0089, 74.5159, 184.2112



101.0391, 74.5159, 33.2548



# Rectangle

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



51.1386, 74.5159, 26.1557



41.6136, 74.5159, 79.9170



95.0089, 74.5159, 184.2112



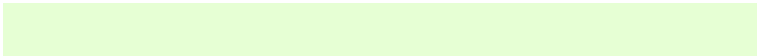
111.2497, 74.5159, 82.3656

# Sweetspot

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



51.1404, 74.5191, 26.1573



80.1741, 93.0486, 75.7907



57.9924, 55.6654, 22.1570



16.8222, 19.7575, 15.4973



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.



51.1404, 74.5191, 26.1573



51.0283, 79.2055, 21.0171



42.2353, 69.8690, 28.4216



16.9403, 18.8113, 17.5357



20.7335, 36.8013, 6.0106



1.9366, 3.2934, 0.5336



# Inverse Universe

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



42.6925, 28.2235, 89.5878



40.8555, 23.7002, 97.0290



58.2584, 36.4040, 83.2661



16.5034, 16.4022, 20.8387



15.0799, 6.7483, 47.0458

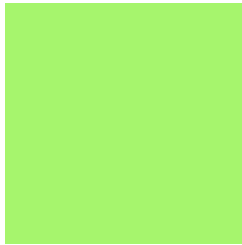


1.4424, 0.6534, 4.1403



# Previews

## White Background



This preview shows how the XYZ color 51.1386, 74.5159, 26.1557 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 51.1386, 74.5159, 26.1557 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 51.1386, 74.5159, 26.1557

## Background



This preview shows how black text looks on a background with the XYZ color 51.1386, 74.5159, 26.1557.



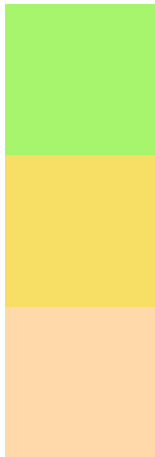
This preview shows how white text looks on a background with the XYZ color 51.1386, 74.5159,



# 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

51.1386, 74.5159, 26.1557

### Protanopia

67.1437, 73.5088, 23.2201

### Deuteranopia

73.2143, 73.7503, 47.9125



## Tritanopia

65.8892, 73.9980, 100.4328

# Trichromacy



## Original Color

51.1386, 74.5159, 26.1557



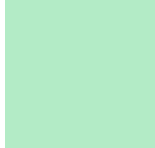
## Protanomaly

60.0392, 73.0772, 24.3055



## Deuteranomaly

63.1670, 72.7327, 38.3133



## Tritanomaly

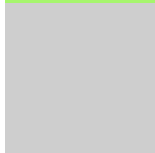
58.4918, 73.0776, 64.4486

# Monochromacy



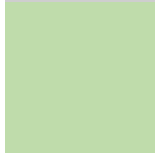
## Original Color

51.1386, 74.5159, 26.1557



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

54.4297, 65.2030, 48.2448

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.1386, 74.5159, 26.1557 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(166, 245, 109)` looks like.

```
.text, #text, p{  
    color:rgb(166, 245, 109)  
}
```

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(166, 245, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 245, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 51.1386, 74.5159, 26.1557 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(166, 245, 109) }
```



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

```
.border{ border-color:rgb(166, 245, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 245, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 245, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 245, 109);  
box-shadow:4px 4px 4px 4px rgb(166, 245,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.1386, 74.5159, 26.1557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 245, 109) }
```

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

```
.background{ background-color: rgb(166,  
245, 109) }
```

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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