

# Converting Colors

XYZ(41.4034, 56.0004, 26.7730)

Have a look what the booklet for  
XYZ(41.4034, 56.0004, 26.7730)  
contains.

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# Color

**XYZ(41.2927, 55.8384,  
26.6907)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9FD479
RGB	159, 212, 121
RGB Percent	62%, 83%, 47%
CMY	0.3765, 0.1686, 0.5255
CMYK	0.25, 0.00, 0.43, 0.17
HSL	95°, 51%, 65%
HSV	95°, 43%, 83%
XYZ	41.2927, 55.8384, 26.6907
YIQ	185.7790, -2.3770, -39.5370

# Conversions

## Conversions Part 2

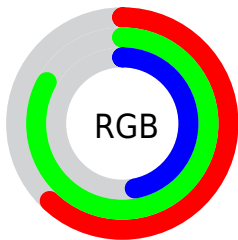
<b>Format</b>	<b>Color</b>
<b>RYB</b>	121, 212, 174
Decimal	10474617
CIELab	79.52, -33.04, 39.52
CIElCh	80, 51.517, 129.897
Yxy	55.8384, 0.3335, 0.4510
Android (android.graphics.Color)	4288664697 (0xFF9FD479)
YUV	185.7790, -31.9360, -23.4852
Hunter-Lab	74.7251, -32.1307, 31.1301

# Details

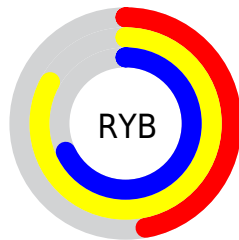
The XYZ color **41.2927, 55.8384, 26.6907** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **36.1792, 27.4286, 65.6779**, and the grayscale version is **46.7237, 49.1569, 53.5319**.

A 20% lighter version of the original color is **71.5222, 89.0622, 53.9785**, and **18.9882, 27.5594, 10.1131** is the 20% darker color. If you saturate the color by 10%, you get **37.8056, 54.1765, 20.4710**, and if you desaturate by 10%, it is **45.3130, 57.7456, 34.4289**.

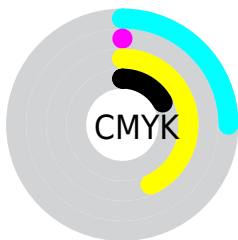
# Distribution



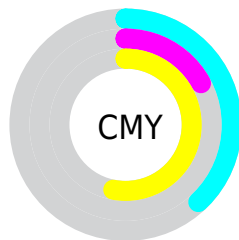
- Red (62%)
- Green (83%)
- Blue (47%)



- Red (47%)
- Yellow (83%)
- Blue (68%)



- Cyan (25%)
- Magenta (0%)
- Yellow (43%)
- Black (17%)



- Cyan (38%)
- Magenta (17%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2927, 55.8384, 26.6907 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 41.2927, 55.8384, 26.6907 by changing the saturation by 10% instead.



■ 41.2927, 55.8384,  
26.6907

■ 41.2927, 55.8384,  
26.6907

342.5842,  
409.0822, 299.8691

■ 28.7365, 40.0734,  
17.1107

■ 76.3999, 98.7683,  
55.3848

■ 19.0249, 27.5958,  
10.1506

■ 99.6817, 126.7019,  
75.3360

■ 11.7924, 18.0212,  
5.3920

■ 127.2694,  
159.4605, 99.5814

■ 6.6737, 10.9652,  
2.4163

159.5284,  
197.4285, 128.5394

■ 3.3034, 6.0434,  
0.7953

196.8240,  
240.9903, 162.6286

■ 1.3161, 2.8715,  
0.0000

239.5216,

■ 0.1953, 1.0650,

290.5302, 202.2676

0.0000

287.9866,  
346.4327, 247.8749

0.0000, 0.0000,  
0.0000

41.2927, 55.8384,  
26.6907

41.2927, 55.8384,  
26.6907

37.8056, 54.1765,  
20.4710

45.3130, 57.7456,  
34.4289

34.8214, 52.7414,  
15.6662

49.8863, 59.9011,  
43.7730

32.3129, 51.5231,  
12.1655


55.0365, 62.3172,  
54.8078


30.2477, 50.5078,  
9.8399


60.7847, 65.0031,  
67.6112

28.5882, 49.6794,  
8.5343

67.1507, 67.9673,  
82.2564

 27.6187, 49.1896,  
8.0389

 74.1536, 71.2182,  
98.8123

 79.4040, 73.8008,  
104.6677

 82.8347, 75.5694,  
104.8282

# Harmonies

## Analogous

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



49.7217, 55.8384, 20.1338



41.2927, 55.8384, 26.6907



36.4767, 55.8384, 43.2213

# Triad

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



41.2927, 55.8384, 26.6907



46.5157, 55.8384, 131.6571



75.2165, 55.8384, 51.5098

# Complementary

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



41.2927, 55.8384, 26.6907



36.1792, 27.4286, 65.6779

# Split Complementary

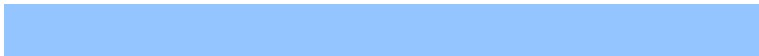
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



74.0652, 55.8384, 82.5925



41.2927, 55.8384, 26.6907



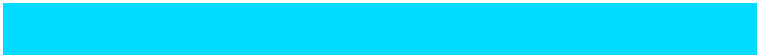
56.5711, 55.8384, 136.1030

# Square

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



41.2927, 55.8384, 26.6907



39.2090, 55.8384, 105.2276



66.9038, 55.8384, 115.9157



69.8708, 55.8384, 31.0544

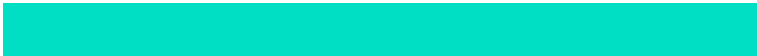


# Rectangle

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



41.2927, 55.8384, 26.6907



35.5396, 55.8384, 60.6962



66.9038, 55.8384, 115.9157



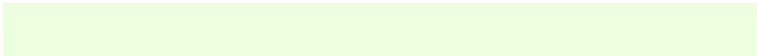
75.5912, 55.8384, 60.9010

# Sweetspot

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



41.2941, 55.8408, 26.6919



83.4145, 94.5660, 82.8585



45.4654, 45.1010, 24.3991



17.4650, 20.0587, 16.8887



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

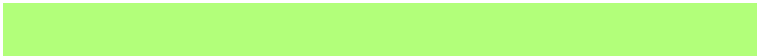


# Same Dimension

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



41.2941, 55.8408, 26.6919



57.6042, 82.3724, 31.4060



35.2655, 52.6886, 28.4136



12.7488, 14.1467, 13.2194



17.1579, 30.4216, 4.9676



1.1280, 1.8829, 0.3040



# Inverse Universe

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



36.1792, 27.4286, 65.6779



48.7805, 33.4665, 98.4964



45.1235, 32.1263, 62.1758



12.4286, 12.3624, 15.6686



12.5382, 5.6162, 38.8764



0.8496, 0.3869, 2.3492



# Previews

## White Background



This preview shows how the XYZ color 41.2927, 55.8384, 26.6907 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 41.2927, 55.8384, 26.6907 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

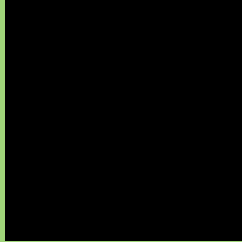
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 41.2927, 55.8384, 26.6907**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.2927, 55.8384, 26.6907.



This preview shows how white text looks on a background with the XYZ color 41.2927, 55.8384,



# 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

41.2927, 55.8384, 26.6907

### Protanopia

50.8588, 55.1647, 24.1870

### Deuteranopia

56.4061, 55.3316, 27.7858



## Tritanopia

50.8666, 55.7817, 73.7316

# Trichromacy



## Original Color

41.2927, 55.8384, 26.6907

## Protanomaly

46.8371, 55.1275, 25.0017

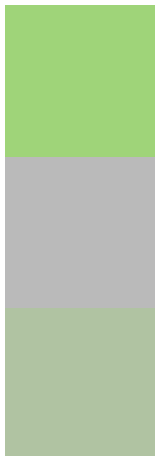
## Deuteranomaly

49.6803, 54.8231, 27.3655

## Tritanomaly

46.6370, 55.4751, 52.5057

# Monochromacy



## Original Color

41.2927, 55.8384, 26.6907

## Achromatopsia

46.6715, 49.1021, 53.4722

## Achromatomaly

43.9412, 50.8690, 41.6852

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.2927, 55.8384, 26.6907 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(159, 212, 121)` looks like.

```
.text, #text, p{  
    color:rgb(159, 212, 121)  
}
```

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(159, 212, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 212, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 41.2927, 55.8384, 26.6907 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(159, 212, 121) }
```



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

```
.border{ border-color:rgb(159, 212, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 212, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 212, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 212, 121);  
box-shadow:4px 4px 4px 4px rgb(159, 212,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.2927, 55.8384, 26.6907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 212, 121) }
```

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

```
.background{ background-color: rgb(159,  
212, 121) }
```

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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