

# Converting Colors

XYZ(42.0800, 57.4362, 26.7820)

Have a look what the booklet for  
XYZ(42.0800, 57.4362, 26.7820)  
contains.

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# Color

**XYZ(41.9887, 57.3279,  
26.6216)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9FD778
RGB	159, 215, 120
RGB Percent	62%, 84%, 47%
CMY	0.3765, 0.1568, 0.5294
CMYK	0.26, 0.00, 0.44, 0.16
HSL	95°, 54%, 66%
HSV	95°, 44%, 84%
XYZ	41.9887, 57.3279, 26.6216
YIQ	187.4260, -2.8810, -41.4170

# Conversions

## Conversions Part 2

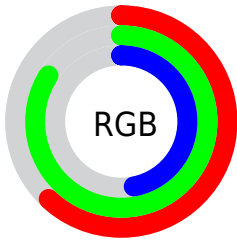
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">120, 215, 176</a>
Decimal	<a href="#">10475384</a>
CIELab	<a href="#">80.36, -34.56, 41.08</a>
CIELCh	<a href="#">80, 53.684, 130.068</a>
Yxy	<a href="#">57.3279, 0.3334, 0.4552</a>
Android (android.graphics.Color)	<a href="#">4288665464 (0xFF9FD778)</a>
YUV	<a href="#">187.4260, -33.2410, -24.9296</a>
Hunter-Lab	<a href="#">75.7152, -33.5124, 32.1542</a>

# Details

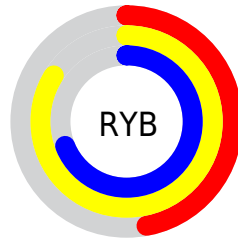
The XYZ color **41.9887, 57.3279, 26.6216** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **36.8892, 27.5710, 67.6706**, and the grayscale version is **47.6593, 50.1413, 54.6039**.

A 20% lighter version of the original color is **71.4243, 89.0231, 53.4631**, and **19.4707, 28.5745, 10.1194** is the 20% darker color. If you saturate the color by 10%, you get **38.4421, 55.6355, 20.3926**, and if you desaturate by 10%, it is **46.0889, 59.2753, 34.4081**.

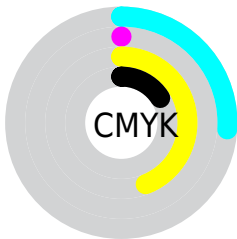
# Distribution



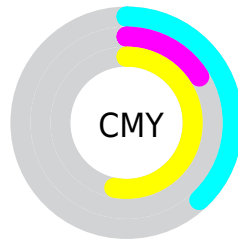
- Red (62%)
- Green (84%)
- Blue (47%)



- Red (47%)
- Yellow (84%)
- Blue (69%)



- Cyan (26%)
- Magenta (0%)
- Yellow (44%)
- Black (16%)




- Cyan (38%)
- Magenta (16%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9887, 57.3279, 26.6216 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 41.9887, 57.3279, 26.6216 by changing the saturation by 10% instead.





 41.9887, 57.3279,  
26.6216


 41.9887, 57.3279,  
26.6216


345.4285,  
414.6769, 299.5223


 29.2835, 41.2686,  
17.0593


 77.4478, 100.9435,  
55.2724

 19.4408, 28.5290,  
10.1144


 100.9324,  
129.2685, 75.1980

 12.0951, 18.7248,  
5.3683


 128.7409,  
162.4509, 99.4151

 6.8811, 11.4716,  
2.4024

161.2386,  
200.8750, 128.3423

 3.4335, 6.3850,  
0.7878

198.7908,  
244.9253, 162.3980

 1.3870, 3.0806,  
0.0000

241.7630,

 0.2469, 1.1739,

294.9861, 202.0009

0.0000

290.5204,  
351.4418, 247.5695

■ 0.0000, 0.0403,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.9887, 57.3279,  
26.6216

■ 41.9887, 57.3279,  
26.6216

■ 38.4421, 55.6355,  
20.3926

■ 46.0889, 59.2753,  
34.4081

■ 35.4173, 54.1788,  
15.6123


■ 50.7639, 61.4813,  
43.8435


■ 32.8852, 52.9472,  
12.1643


■ 56.0386, 63.9588,  
55.0166


■ 30.8115, 51.9259,  
9.9122

■ 61.9355, 66.7172,  
68.0087


 29.1558, 51.0977,  
8.6903

 68.4753, 69.7659,  
82.8960

 28.3506, 50.6906,  
8.2900

 75.6782, 73.1136,  
99.7505

 80.9649, 75.7291,  
104.9576

 83.5916, 77.0833,  
105.0805

# Harmonies

## Analogous

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



50.8777, 57.3279, 19.7882



41.9887, 57.3279, 26.6216



36.9421, 57.3279, 43.9821

# Triad

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



41.9887, 57.3279, 26.6216



47.5988, 57.3279, 138.3324



78.0501, 57.3279, 52.4284

# Complementary

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



41.9887, 57.3279, 26.6216



36.8892, 27.5710, 67.6706

# 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.



76.8615, 57.3279, 85.4027



41.9887, 57.3279, 26.6216



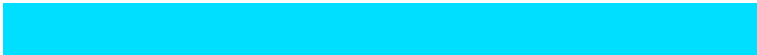
58.2661, 57.3279, 142.9598

# Square

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



41.9887, 57.3279, 26.6216



39.8665, 57.3279, 110.0320



69.2511, 57.3279, 121.1193



72.3088, 57.3279, 31.0109

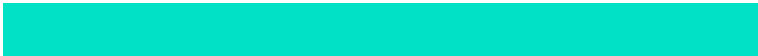


# Rectangle

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



41.9887, 57.3279, 26.6216



35.9740, 57.3279, 62.4926



69.2511, 57.3279, 121.1193



78.4643, 57.3279, 62.3481

# Sweetspot

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



41.9901, 57.3304, 26.6228



83.3371, 94.5261, 82.8549



46.8280, 46.6278, 24.3021



17.4460, 20.0489, 16.8878



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.



41.9901, 57.3304, 26.6228



56.8941, 82.0244, 30.5553



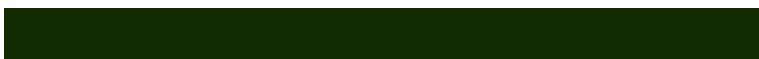
35.9387, 54.1529, 28.9526



12.7404, 14.1424, 13.2190



17.0700, 30.3762, 4.9635



1.1223, 1.8799, 0.3037



# Inverse Universe

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



36.8892, 27.5710, 67.6706



48.4403, 32.8305, 98.3916



46.0157, 32.3906, 62.9146



12.4372, 12.3668, 15.6690



12.6716, 5.6849, 38.8826



0.8572, 0.3908, 2.3496



# Previews

## White Background



This preview shows how the XYZ color 41.9887, 57.3279, 26.6216 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 41.9887, 57.3279, 26.6216 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 41.9887, 57.3279, 26.6216**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.9887, 57.3279, 26.6216.



This preview shows how white text looks on a background with the XYZ color 41.9887, 57.3279,



# 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

41.9887, 57.3279, 26.6216

### Protanopia

52.3741, 56.9672, 24.1549

### Deuteranopia

58.1145, 56.8585, 27.6505



## Tritanopia

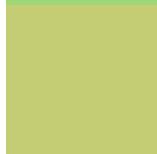
51.9667, 57.3517, 76.0412

# Trichromacy



## Original Color

41.9887, 57.3279, 26.6216



## Protanomaly

48.0097, 56.7939, 24.9549



## Deuteranomaly

50.9255, 56.1510, 27.2229



## Tritanomaly

47.5698, 57.0075, 53.8437

# Monochromacy



## Original Color

41.9887, 57.3279, 26.6216



## Achromatopsia

47.2335, 49.6933, 54.1160



## Achromatomaly

44.7086, 51.9240, 42.3163

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.9887, 57.3279, 26.6216 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, 215, 120)` looks like.

```
.text, #text, p{  
    color:rgb(159, 215, 120)  
}
```

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, 215, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 215, 120) }
```

## Border

The CSS property to change the border of an element to XYZ 41.9887, 57.3279, 26.6216 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, 215, 120) }
```



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

```
.border{ border-color:rgb(159, 215, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 215, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 215, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 215, 120);  
box-shadow:4px 4px 4px 4px rgb(159, 215,  
120) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.9887, 57.3279, 26.6216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 215, 120) }
```

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

```
.background{ background-color: rgb(159,  
215, 120) }
```

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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