

# Converting Colors

XYZ(41.1585, 57.5136, 29.1831)

Have a look what the booklet for  
XYZ(41.1585, 57.5136, 29.1831)  
contains.

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# Color

**XYZ(41.2868, 57.6683,  
29.3771)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96D980
RGB	150, 217, 128
RGB Percent	59%, 85%, 50%
CMY	0.4118, 0.1490, 0.4980
CMYK	0.31, 0.00, 0.41, 0.15
HSL	105°, 54%, 68%
HSV	105°, 41%, 85%
XYZ	41.2868, 57.6683, 29.3771
YIQ	186.8210, -11.3630, -41.8830

# Conversions

## Conversions Part 2

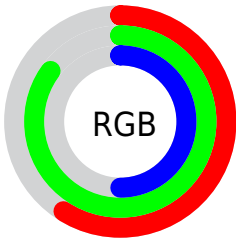
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 217, 195
Decimal	9886080
CIELab	80.55, -37.51, 37.24
CIElCh	81, 52.856, 135.210
Yxy	57.6683, 0.3217, 0.4494
Android (android.graphics.Color)	4288076160 (0xFF96D980)
YUV	186.8210, -28.9988, -32.2920
Hunter-Lab	75.9396, -35.8477, 30.2215

# Details

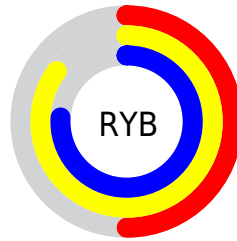
The XYZ color **41.2868, 57.6683, 29.3771** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **42.7519, 32.0520, 69.5822**, and the grayscale version is **47.2973, 49.7604, 54.1891**.

A 20% lighter version of the original color is **69.6571, 88.0192, 57.5741**, and **19.0838, 28.8633, 11.5865** is the 20% darker color. If you saturate the color by 10%, you get **37.2093, 55.7157, 22.5112**, and if you desaturate by 10%, it is **46.0919, 59.9641, 37.8738**.

# Distribution



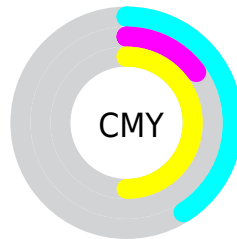
- Red (59%)
- Green (85%)
- Blue (50%)



- Red (50%)
- Yellow (85%)
- Blue (76%)



- Cyan (31%)
- Magenta (0%)
- Yellow (41%)
- Black (15%)



- Cyan (41%)
- Magenta (15%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2868, 57.6683, 29.3771 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 41.2868, 57.6683, 29.3771 by changing the saturation by 10% instead.



■ 41.2868, 57.6683,  
29.3771

■ 41.2868, 57.6683,  
29.3771

342.5600,  
415.9488, 313.1065

■ 28.7319, 41.5420,  
19.1182

■ 76.3910, 101.4397,  
59.7250

■ 19.0214, 28.7429,  
11.5781

■ 99.6711, 129.8536,  
80.6511

■ 11.7898, 18.8864,  
6.3380

■ 127.2569,  
163.1321, 105.9701

■ 6.6719, 11.5882,  
2.9796

159.5139,  
201.6598, 136.1005

■ 3.3023, 6.4639,  
1.0842

196.8073,  
245.8209, 171.4607

■ 1.3156, 3.1292,  
0.0000

239.5026,

■ 0.1948, 1.1995,

295.9998, 212.4695

0.0000

287.9650,  
352.5810, 259.5452

■ 0.0000, 0.0613,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 41.2868, 57.6683,  
29.3771

■ 41.2868, 57.6683,  
29.3771

■ 37.2093, 55.7157,  
22.5112

■ 46.0919, 59.9641,  
37.8738

■ 33.8180, 54.0823,  
17.1681


■ 51.6543, 62.6112,  
48.0927


■ 31.0741, 52.7520,  
13.2325


■ 58.0075, 65.6267,  
60.1227


■ 28.9326, 51.7047,  
10.5713


■ 65.1814, 69.0242,  
74.0458

 27.3419, 50.9172,  
9.0257

 73.2044, 72.8168,  
89.9387

 26.3159, 50.4023,  
8.3416

 81.5833, 76.8086,  
105.1334

 84.1041, 78.1081,  
105.2514

# Harmonies

## Analogous

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



49.5137, 57.6683, 20.9535



41.2868, 57.6683, 29.3771



36.9982, 57.6683, 48.7268

# Triad

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



41.2868, 57.6683, 29.3771



49.6517, 57.6683, 140.1871



77.5347, 57.6683, 48.3707

# Complementary

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



41.2868, 57.6683, 29.3771



42.7519, 32.0520, 69.5822

# 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.



77.5846, 57.6683, 79.3302



41.2868, 57.6683, 29.3771



60.4754, 57.6683, 139.9937

# Square

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



41.2868, 57.6683, 29.3771



41.3763, 57.6683, 115.5196



71.0088, 57.6683, 115.0555



70.8805, 57.6683, 29.1910



# Rectangle

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



41.2868, 57.6683, 29.3771



36.5341, 57.6683, 68.3797



71.0088, 57.6683, 115.0555



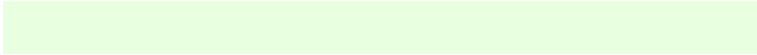
78.3506, 57.6683, 57.5154

# Sweetspot

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



41.2882, 57.6708, 29.3784



82.5356, 94.0732, 84.6136



51.9732, 55.2311, 28.3443



17.3970, 20.0080, 17.5971



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.



41.2882, 57.6708, 29.3784



54.4770, 80.7031, 33.8427



39.2419, 56.4277, 37.7845



13.1865, 14.7609, 13.8797



16.0107, 30.5513, 5.0531



1.1157, 2.0197, 0.3310



# Inverse Universe

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



42.7519, 32.0520, 69.5822



56.8161, 39.0646, 99.1534



46.1587, 34.1204, 55.6372



13.2837, 13.1044, 16.4814



16.8709, 7.8215, 40.3589



1.1693, 0.5461, 2.6182



# Previews

## White Background



This preview shows how the XYZ color 41.2868, 57.6683, 29.3771 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 41.2868, 57.6683, 29.3771 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 41.2868, 57.6683, 29.3771**

## **Background**



This preview shows how black text looks on a background with the XYZ color 41.2868, 57.6683, 29.3771.



This preview shows how white text looks on a background with the XYZ color 41.2868, 57.6683,



# 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

41.2868, 57.6683, 29.3771

### Protanopia

52.4899, 56.9790, 26.3207

### Deuteranopia

57.9764, 56.7253, 30.4476



## **Tritanopia**

50.9820, 57.5235, 77.5234

# Trichromacy



## Original Color

41.2868, 57.6683, 29.3771

## Protanomaly

47.7017, 56.9353, 27.5442

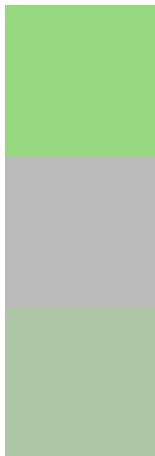
## Deuteranomaly

50.2727, 56.0963, 30.0078

## Tritanomaly

46.6209, 57.1976, 56.1600

# Monochromacy



## Original Color

41.2868, 57.6683, 29.3771

## Achromatopsia

47.2335, 49.6933, 54.1160

## Achromatomaly

44.5326, 52.1400, 43.7933

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 41.2868, 57.6683, 29.3771 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(150, 217, 128)` looks like.

```
.text, #text, p{  
    color:rgb(150, 217, 128)  
}
```

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(150, 217, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 217, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 41.2868, 57.6683, 29.3771 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(150, 217, 128) }
```



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

```
.border{ border-color:rgb(150, 217, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 217, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 217, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 217, 128);  
box-shadow:4px 4px 4px 4px rgb(150, 217,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 41.2868, 57.6683, 29.3771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 217, 128) }
```

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

```
.background{ background-color: rgb(150,  
217, 128) }
```

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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