

# Converting Colors

XYZ(42.4753, 56.7475, 28.9657)

Have a look what the booklet for  
XYZ(42.4753, 56.7475, 28.9657)  
contains.

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# Color

**XYZ(42.5908, 56.8284,  
29.1463)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A2D580
RGB	162, 213, 128
RGB Percent	64%, 84%, 50%
CMY	0.3647, 0.1647, 0.4980
CMYK	0.24, 0.00, 0.40, 0.16
HSL	96°, 50%, 67%
HSV	96°, 40%, 84%
XYZ	42.5908, 56.8284, 29.1463
YIQ	188.0610, -3.1110, -37.2470

# Conversions

## Conversions Part 2

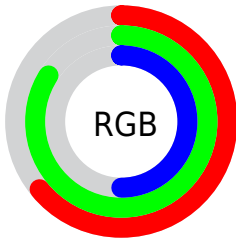
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">128, 213, 179</a>
Decimal	<a href="#">10671488</a>
CIELab	<a href="#">80.08, -31.54, 36.76</a>
CIELCh	<a href="#">80, 48.437, 130.622</a>
Yxy	<a href="#">56.8284, 0.3313, 0.4420</a>
Android (android.graphics.Color)	<a href="#">4288861568 (0xFFA2D580)</a>
YUV	<a href="#">188.0610, -29.6101, -22.8555</a>
Hunter-Lab	<a href="#">75.3846, -31.0741, 29.8457</a>

# Details

The XYZ color **42.5908, 56.8284, 29.1463** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **38.3224, 29.8279, 66.6915**, and the grayscale version is **48.0001, 50.4999, 54.9944**.

A 20% lighter version of the original color is **73.1169, 89.8028, 57.7360**, and **19.7508, 28.1777, 11.4190** is the 20% darker color. If you saturate the color by 10%, you get **38.8681, 55.0563, 22.4062**, and if you desaturate by 10%, it is **46.8746, 58.8592, 37.4511**.

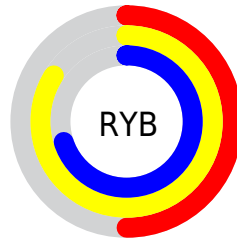
# Distribution



Red (64%)

Green (84%)

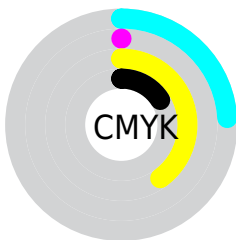
Blue (50%)



Red (50%)

Yellow (84%)

Blue (70%)

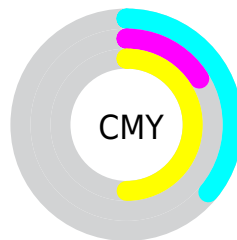


Cyan (24%)

Magenta (0%)

Yellow (40%)

Black (16%)



Cyan (36%)

Magenta (16%)


Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5908, 56.8284, 29.1463 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 42.5908, 56.8284, 29.1463 by changing the saturation by 10% instead.





 42.5908, 56.8284,  
29.1463


 42.5908, 56.8284,  
29.1463


347.8763,  
412.8060, 311.9871


 29.7573, 40.8675,  
18.9450


 78.3526, 100.2148,  
59.3544

 19.8016, 28.2156,  
11.4541


 102.0116,  
128.4090, 80.1983

 12.3583, 18.4882,  
6.2552


 130.0097,  
161.4498, 105.4268

 7.0621, 11.3011,  
2.9296

162.7125,  
199.7215, 135.4584

 3.5477, 6.2697,  
1.0588

200.4852,  
243.6086, 170.7117

 1.4496, 3.0098,  
0.0000

243.6932,

 0.2911, 1.1368,

293.4955, 211.6052

0.0000

292.7017,  
349.7665, 258.5575

■ 0.0000, 0.0092,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 42.5908, 56.8284,  
29.1463

■ 42.5908, 56.8284,  
29.1463

■ 38.8681, 55.0563,  
22.4062

■ 46.8746, 58.8592,  
37.4511

■ 35.6758, 53.5242,  
17.1291


■ 51.7397, 61.1519,  
47.4067


■ 32.9864, 52.2218,  
13.2068


■ 57.2105, 63.7191,  
59.0971


■ 30.7678, 51.1353,  
10.5148


■ 63.3084, 66.5701,  
72.5995


 28.9827, 50.2488,  
8.9055

 70.0538, 69.7139,  
87.9866

 27.5714, 49.5373,  
8.1142

 77.3363, 73.1071,  
104.6428

 27.5594, 49.5313,  
8.1080

 81.7978, 75.4071,  
104.8516

 83.0854, 76.0709,  
104.9118

# Harmonies

## Analogous

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



50.5953, 56.8284, 22.3926



42.5908, 56.8284, 29.1463



38.0358, 56.8284, 45.5582

# Triad

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



42.5908, 56.8284, 29.1463



47.9664, 56.8284, 128.4979



74.8636, 56.8284, 52.4017

# Complementary

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



42.5908, 56.8284, 29.1463



38.3224, 29.8279, 66.6915

# 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.



73.9365, 56.8284, 81.6890



42.5908, 56.8284, 29.1463



57.5827, 56.8284, 132.0209

# Square

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



42.5908, 56.8284, 29.1463



40.8682, 56.8284, 104.3668



67.3156, 56.8284, 112.8920



69.7131, 56.8284, 32.8397



# Rectangle

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



42.5908, 56.8284, 29.1463



37.1932, 56.8284, 62.4672



67.3156, 56.8284, 112.8920



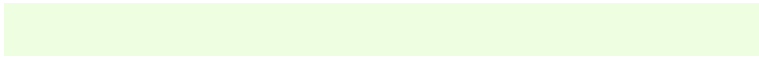
75.2666, 56.8284, 61.2895

# Sweetspot

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



42.5922, 56.8309, 29.1475



84.0735, 94.8660, 84.6856



47.4593, 47.9472, 27.1763



17.7574, 20.1937, 17.6140



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.



42.5922, 56.8309, 29.1475



59.1526, 83.0935, 34.9667



37.1777, 53.9722, 31.9385



12.7278, 14.1359, 13.2184



16.9418, 30.3102, 4.9575



1.1139, 1.8756, 0.3033



# Inverse Universe

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



38.3224, 29.8279, 66.6915



51.8488, 37.0139, 99.0194



46.1211, 33.9697, 61.5705



12.4501, 12.3734, 15.6696



12.8746, 5.7896, 38.8921



0.8688, 0.3968, 2.3501



# Previews

## White Background



This preview shows how the XYZ color 42.5908, 56.8284, 29.1463 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

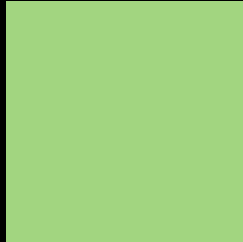
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 42.5908, 56.8284, 29.1463 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

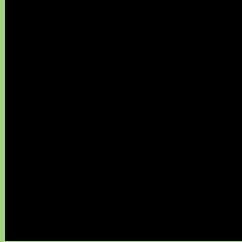
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.5908, 56.8284, 29.1463**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.5908, 56.8284, 29.1463.



This preview shows how white text looks on a background with the XYZ color 42.5908, 56.8284,



# 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

42.5908, 56.8284, 29.1463

### Protanopia

52.0258, 56.3922, 26.5551

### Deuteranopia

57.3563, 56.0932, 29.9944



## Tritanopia

51.6799, 56.5331, 74.5178

# Trichromacy



## Original Color

42.5908, 56.8284, 29.1463

## Protanomaly

47.7590, 55.9029, 27.3419

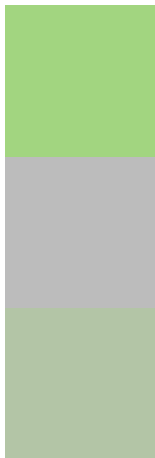
## Deuteranomaly

50.8692, 55.7285, 29.5483

## Tritanomaly

47.6228, 56.3033, 54.2566

# Monochromacy



## Original Color

42.5908, 56.8284, 29.1463

## Achromatopsia

47.7994, 50.2886, 54.7643

## Achromatomaly

45.4396, 52.2694, 43.7705

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.5908, 56.8284, 29.1463 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(162, 213, 128)` looks like.

```
.text, #text, p{  
    color:rgb(162, 213, 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(162, 213, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 213, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 42.5908, 56.8284, 29.1463 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(162, 213, 128) }
```



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

```
.border{ border-color:rgb(162, 213, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 213, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 213, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 213, 128);  
box-shadow:4px 4px 4px 4px rgb(162, 213,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.5908, 56.8284, 29.1463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 213, 128) }
```

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

```
.background{ background-color: rgb(162,  
213, 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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