

Converting Colors

XYZ(42.3829, 56.3453, 28.6364)

Have a look what the booklet for
XYZ(42.3829, 56.3453, 28.6364)
contains.

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Color

**XYZ(42.4785, 56.4058,
28.7272)**

Conversions

Conversions Part 1

Format	Color
Hex	A3D47F
RGB	163, 212, 127
RGB Percent	64%, 83%, 50%
CMY	0.3608, 0.1686, 0.5020
CMYK	0.23, 0.00, 0.40, 0.17
HSL	95°, 50%, 66%
HSV	95°, 40%, 83%
XYZ	42.4785, 56.4058, 28.7272
YIQ	187.6590, -1.9190, -36.8230

Conversions

Conversions Part 2

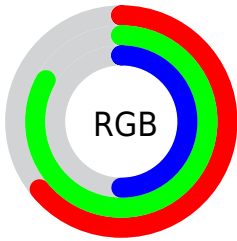
Format	Color
RYB	127, 212, 176
Decimal	10736767
CIELab	79.84, -30.84, 36.97
CIELCh	80, 48.149, 129.834
Yxy	56.4058, 0.3329, 0.4420
Android (android.graphics.Color)	4288926847 (0xFFA3D47F)
YUV	187.6590, -29.9049, -21.6259
Hunter-Lab	75.1038, -30.4725, 29.8942

Details

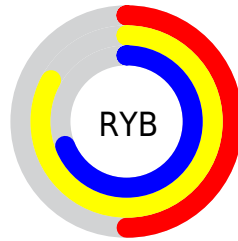
The XYZ color **42.4785, 56.4058, 28.7272** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **37.3799, 29.1639, 65.9495**, and the grayscale version is **47.7728, 50.2607, 54.7339**.

A 20% lighter version of the original color is **73.3139, 89.9163, 57.2076**, and **19.6682, 27.8870, 11.1836** is the 20% darker color. If you saturate the color by 10%, you get **38.8572, 54.6839, 22.0888**, and if you desaturate by 10%, it is **46.6352, 58.3736, 36.9105**.

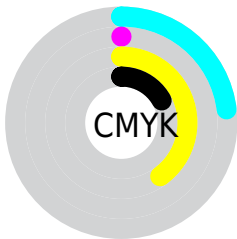
Distribution



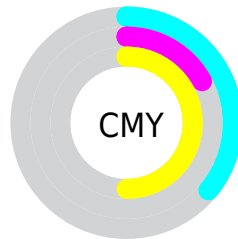
- Red (64%)
- Green (83%)
- Blue (50%)



- Red (50%)
- Yellow (83%)
- Blue (69%)



- Cyan (23%)
- Magenta (0%)
- Yellow (40%)
- Black (17%)



- Cyan (36%)
- Magenta (17%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.4785, 56.4058, 28.7272 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 42.4785, 56.4058, 28.7272 by changing the saturation by 10% instead.

■ 42.4785, 56.4058,
28.7272

■ 42.4785, 56.4058,
28.7272

347.4207,
411.2190, 309.9462

■ 29.6689, 40.5284,
18.6307

■ 78.1839, 99.5977,
58.6804

■ 19.7342, 27.9507,
11.2297

■ 101.8105,
127.6809, 79.3742

■ 12.3091, 18.2885,
6.1054

■ 129.7734,
160.6015, 104.4375

■ 7.0283, 11.1573,
2.8395

162.4380,
198.7438, 134.2890

■ 3.5263, 6.1728,
1.0133

200.1697,
242.4924, 169.3470

■ 1.4378, 2.9504,
0.0000

243.3338,

■ 0.2829, 1.1059,

292.2315, 210.0302

0.0000

292.2956,
348.3456, 256.7571

■ 0.0000, 0.0000,
0.0000

■ 42.4785, 56.4058,
28.7272

■ 42.4785, 56.4058,
28.7272

■ 38.8572, 54.6839,
22.0888

■ 46.6352, 58.3736,
36.9105

■ 35.7420, 53.1897,
16.8944

■ 51.3465, 60.5900,
46.7237

■ 33.1066, 51.9137,
13.0370


■ 56.6356, 63.0670,
58.2500


■ 30.9201, 50.8428,
10.3933


■ 62.5231, 65.8135,
71.5659

■ 29.1470, 49.9618,
8.8169

■ 69.0283, 68.8379,
86.7432

 27.7400, 49.2521,
8.0446

 76.1698, 72.1482,
103.8497

 80.5034, 74.3675,
104.7191

 82.8347, 75.5693,
104.8282

Harmonies

Analogous

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



50.4737, 56.4058, 22.2527



42.4785, 56.4058, 28.7272



37.8707, 56.4058, 44.7056

Triad

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



42.4785, 56.4058, 28.7272



47.4059, 56.4058, 126.8509



74.2842, 56.4058, 52.6958

Complementary

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



42.4785, 56.4058, 28.7272



37.3799, 29.1639, 65.9495

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.



73.2036, 56.4058, 81.8452



42.4785, 56.4058, 28.7272



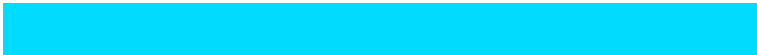
56.8778, 56.4058, 130.9525

Square

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



42.4785, 56.4058, 28.7272



40.4672, 56.4058, 102.6233



66.5385, 56.4058, 112.5535



69.3334, 56.4058, 33.0464

Rectangle

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



42.4785, 56.4058, 28.7272



36.9666, 56.4058, 61.2610



66.5385, 56.4058, 112.5535



74.6270, 56.4058, 61.5719

Sweetspot

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



42.4799, 56.4082, 28.7284



84.3139, 94.9899, 84.6968



46.3468, 46.2564, 26.5651



17.8138, 20.2228, 17.6166



0.0000, 0.0000, 0.0000



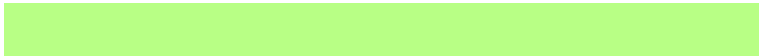
20.3446, 21.4041, 23.3091

Same Dimension

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



42.4799, 56.4082, 28.7284



59.8378, 83.4467, 34.9987



36.5082, 53.2858, 30.4317



12.7560, 14.1504, 13.2197



17.2336, 30.4605, 4.9712



1.1329, 1.8854, 0.3042

Inverse Universe

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



37.3799, 29.1639, 65.9495



51.0562, 36.6053, 98.9823



45.9241, 33.6498, 62.6825



12.4213, 12.3586, 15.6683



12.4271, 5.5589, 38.8712



0.8432, 0.3836, 2.3489

Previews

White Background



This preview shows how the XYZ color 42.4785, 56.4058, 28.7272 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 42.4785, 56.4058, 28.7272 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 42.4785, 56.4058, 28.7272

Background



This preview shows how black text looks on a background with the XYZ color 42.4785, 56.4058, 28.7272.



This preview shows how white text looks on a background with the XYZ color 42.4785, 56.4058,

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

42.4785, 56.4058, 28.7272

Protanopia

51.4418, 55.7601, 26.1407

Deuteranopia

56.9545, 55.8940, 29.6166



Tritanopia

51.5425, 56.1302, 73.7633

Trichromacy



Original Color

42.4785, 56.4058, 28.7272

Protanomaly

47.4606, 55.4069, 26.9320

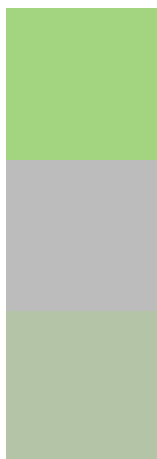
Deuteranomaly

50.2900, 55.0995, 29.1038

Tritanomaly

47.4963, 55.8940, 53.6327

Monochromacy



Original Color

42.4785, 56.4058, 28.7272

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 42.4785, 56.4058, 28.7272 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(163, 212, 127)` looks like.

```
.text, #text, p{  
    color:rgb(163, 212, 127)  
}
```

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(163, 212, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 212, 127) }
```

Border

The CSS property to change the border of an element to XYZ 42.4785, 56.4058, 28.7272 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(163, 212, 127) }
```


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

```
.border{ border-color:rgb(163, 212, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 212, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 212, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 212, 127);  
box-shadow:4px 4px 4px 4px rgb(163, 212,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4785, 56.4058, 28.7272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 212, 127) }
```

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

```
.background{ background-color: rgb(163,  
212, 127) }
```

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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