

Converting Colors

XYZ(42.2698, 56.5525, 40.9789)

Have a look what the booklet for
XYZ(42.2698, 56.5525, 40.9789)
contains.

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Color

**XYZ(42.1785, 56.3530,
41.0019)**

Conversions

Conversions Part 1

Format	Color
Hex	94D59E
RGB	148, 213, 158
RGB Percent	58%, 84%, 62%
CMY	0.4196, 0.1647, 0.3804
CMYK	0.31, 0.00, 0.26, 0.16
HSL	129°, 44%, 71%
HSV	129°, 31%, 84%
XYZ	42.1785, 56.3530, 41.0019
YIQ	187.2950, -21.0850, -30.8850

Conversions

Conversions Part 2

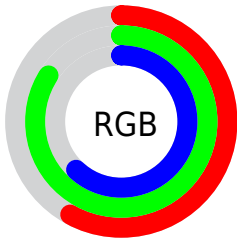
Format	Color
RYB	148, 204, 213
Decimal	9754014
CIELab	79.81, -31.62, 20.77
CIELCh	80, 37.829, 146.695
Yxy	56.3530, 0.3023, 0.4039
Android (android.graphics.Color)	4287944094 (0xFF94D59E)
YUV	187.2950, -14.4424, -34.4617
Hunter-Lab	75.0686, -31.0771, 20.1643

Details

The XYZ color **42.1785, 56.3530, 41.0019** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **48.8118, 39.6389, 61.5805**, and the grayscale version is **47.4894, 49.9625, 54.4092**.

A 20% lighter version of the original color is **72.6721, 89.1615, 76.3304**, and **19.5477, 27.9272, 17.9959** is the 20% darker color. If you saturate the color by 10%, you get **37.2352, 53.9726, 33.2579**, and if you desaturate by 10%, it is **48.0612, 59.1947, 49.9800**.

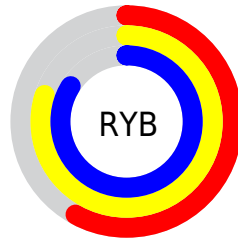
Distribution



Red (58%)

Green (84%)

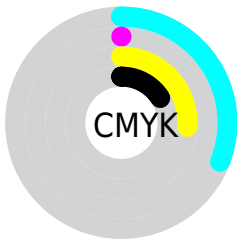
Blue (62%)



Red (58%)

Yellow (80%)

Blue (84%)

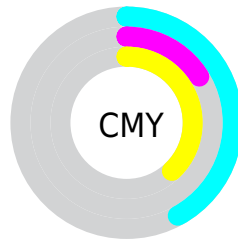


Cyan (31%)

Magenta (0%)

Yellow (26%)

Black (16%)



Cyan (42%)


Magenta (16%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.1785, 56.3530, 41.0019 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 42.1785, 56.3530, 41.0019 by changing the saturation by 10% instead.


 42.1785, 56.3530,
41.0019


 42.1785, 56.3530,
41.0019


346.2014,
411.0205, 366.0054

 29.4328, 40.4860,
28.0009


 77.7332, 99.5205,
77.9405

 19.5544, 27.9177,
18.0873


 101.2729,
127.5898, 102.7151

 12.1779, 18.2636,
10.8426


129.1413,
160.4954, 132.2513

 6.9380, 11.1394,
5.8482

161.7037,
198.6216, 166.9677

 3.4694, 6.1607,
2.6857

199.3256,
242.3528, 207.2827

 1.4066, 2.9430,
0.9362

242.3723,

 0.2609, 1.1021,

292.0734, 253.6150

0.0000

291.2091,
348.1678, 306.3831

■ 0.0000, 0.0000,
0.0000

■ 42.1785, 56.3530,
41.0019

■ 42.1785, 56.3530,
41.0019

■ 37.2352, 53.9726,
33.2579

■ 48.0612, 59.1947,
49.9800

■ 33.1782, 52.0223,
26.6904

■ 54.9243, 62.5127,
60.2389

■ 29.9557, 50.4782,
21.2430

■ 62.8113, 66.3303,
71.8274

■ 27.5085, 49.3113,
16.8530

■ 71.7621, 70.6670,
84.7908

■ 25.7697, 48.4884,
13.4515

■ 81.8145, 75.5413,
99.1722

■ 24.6606, 47.9706,
10.9615

■ 83.0853, 76.0707,
104.9118

■ 24.0667, 47.6992,
9.3605

Harmonies

Analogous

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



47.2180, 56.3530, 30.8789



42.1785, 56.3530, 41.0019



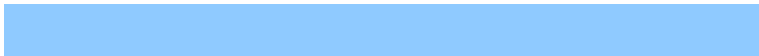
40.1708, 56.3530, 58.9610

Triad

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



42.1785, 56.3530, 41.0019



52.7179, 56.3530, 113.7942



67.8166, 56.3530, 44.3034

Complementary

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



42.1785, 56.3530, 41.0019



48.8118, 39.6389, 61.5805

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.



69.6402, 56.3530, 63.8208



42.1785, 56.3530, 41.0019



60.4498, 56.3530, 107.2474

Square

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



42.1785, 56.3530, 41.0019



45.8799, 56.3530, 103.7603



66.8285, 56.3530, 87.5362



62.0567, 56.3530, 32.4419

Rectangle

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



42.1785, 56.3530, 41.0019



40.6647, 56.3530, 74.2826



66.8285, 56.3530, 87.5362



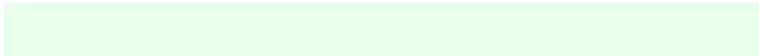
68.9327, 56.3530, 50.0284

Sweetspot

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



42.1800, 56.3554, 41.0032



84.1344, 94.7160, 92.8857



53.8385, 62.4610, 37.2360



17.6565, 20.1029, 19.3609



0.0000, 0.0000, 0.0000



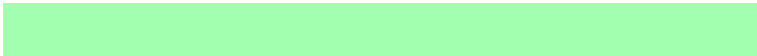
20.3446, 21.4041, 23.3091

Same Dimension

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



42.1800, 56.3554, 41.0032



58.1417, 82.1624, 53.4375



45.3302, 57.6155, 57.5921



12.3395, 13.9268, 13.6024



14.7243, 29.1450, 5.8436



0.9132, 1.7679, 0.4846

Inverse Universe

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



48.8118, 39.6389, 61.5805



69.7240, 52.9477, 89.3607



45.3590, 38.2577, 43.3981



12.8671, 12.5983, 15.2404



21.8392, 10.6720, 27.5212



1.3399, 0.6528, 1.7795

Previews

White Background



This preview shows how the XYZ color 42.1785, 56.3530, 41.0019 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 42.1785, 56.3530, 41.0019 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 42.1785, 56.3530, 41.0019

Background



This preview shows how black text looks on a background with the XYZ color 42.1785, 56.3530, 41.0019.



This preview shows how white text looks on a background with the XYZ color 42.1785, 56.3530,

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

42.1785, 56.3530, 41.0019

Protanopia

52.4161, 56.0158, 37.3277

Deuteranopia

56.8034, 55.5335, 42.3755



Tritanopia

49.3797, 56.3567, 76.6820

Trichromacy



Original Color

42.1785, 56.3530, 41.0019

Protanomaly

47.9277, 55.7363, 38.8040

Deuteranomaly

50.1803, 55.1035, 41.7095

Tritanomaly

46.4592, 56.2569, 61.8361

Monochromacy



Original Color

42.1785, 56.3530, 41.0019

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

44.8100, 51.4987, 48.6528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1785, 56.3530, 41.0019 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(148, 213, 158)` looks like.

```
.text, #text, p{  
    color:rgb(148, 213, 158)  
}
```

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(148, 213, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 213, 158) }
```

Border

The CSS property to change the border of an element to XYZ 42.1785, 56.3530, 41.0019 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(148, 213, 158) }
```


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

```
.border{ border-color:rgb(148, 213, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 213, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 213, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 213, 158);  
box-shadow:4px 4px 4px 4px rgb(148, 213,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1785, 56.3530, 41.0019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 213, 158) }
```

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

```
.background{ background-color: rgb(148,  
213, 158) }
```

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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