

Converting Colors

XYZ(41.8440, 56.1654, 44.7501)

Have a look what the booklet for
XYZ(41.8440, 56.1654, 44.7501)
contains.

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Color

**XYZ(41.8325, 56.0925,
44.6985)**

Conversions

Conversions Part 1

Format	Color
Hex	8ED5A6
RGB	142, 213, 166
RGB Percent	56%, 84%, 65%
CMY	0.4431, 0.1647, 0.3490
CMYK	0.33, 0.00, 0.22, 0.16
HSL	140°, 46%, 70%
HSV	140°, 33%, 84%
XYZ	41.8325, 56.0925, 44.6985
YIQ	186.4130, -27.2290, -29.6690

Conversions

Conversions Part 2

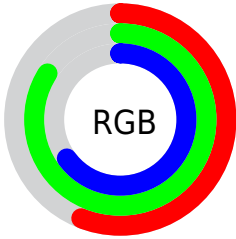
Format	Color
RYB	142, 195, 213
Decimal	9360806
CIELab	79.67, -32.02, 16.30
CIElCh	80, 35.934, 153.024
Yxy	56.0925, 0.2933, 0.3933
Android (android.graphics.Color)	4287550886 (0xFF8ED5A6)
YUV	186.4130, -10.0636, -38.9502
Hunter-Lab	74.8949, -31.3651, 17.0412

Details

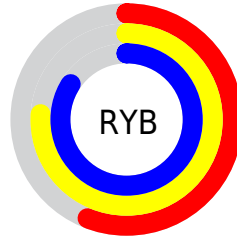
The XYZ color **41.8325, 56.0925, 44.6985** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.3008, 37.1675, 52.8801**, and the grayscale version is **46.9707, 49.4168, 53.8149**.

A 20% lighter version of the original color is **71.8371, 88.6108, 81.7240**, and **19.3839, 27.7925, 20.2624** is the 20% darker color. If you saturate the color by 10%, you get **37.2981, 53.8978, 38.1009**, and if you desaturate by 10%, it is **47.2101, 58.7086, 52.0783**.

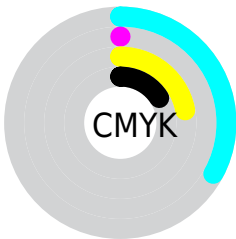
Distribution



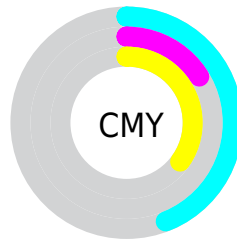
- Red (56%)
- Green (84%)
- Blue (65%)



- Red (56%)
- Yellow (76%)
- Blue (84%)



- Cyan (33%)
- Magenta (0%)
- Yellow (22%)
- Black (16%)




- Cyan (44%)
- Magenta (16%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.8325, 56.0925, 44.6985 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 41.8325, 56.0925, 44.6985 by changing the saturation by 10% instead.


 41.8325, 56.0925,
44.6985


 41.8325, 56.0925,
44.6985


344.7916,
410.0400, 381.6756

 29.1607, 40.2771,
30.8788


 77.2128, 99.1398,
83.5814

 19.3473, 27.7547,
20.2489


 100.6520,
127.1405, 109.4818

 12.0270, 18.1408,
12.3902


128.4111,
159.9717, 140.2460

 6.8344, 11.0511,
6.8843

160.8554,
198.0179, 176.2928

 3.4042, 6.1012,
3.3125

198.3502,
241.6634, 218.0406

 1.3709, 2.9067,
1.2563

241.2609,

 0.2354, 1.0832,

291.2927, 265.9079

0.0256

289.9529,
347.2901, 320.3134

■ 0.0000, 0.0000,
0.0000

■ 41.8325, 56.0925,
44.6985

■ 41.8325, 56.0925,
44.6985

■ 37.2981, 53.8978,
38.1009

■ 47.2101, 58.7086,
52.0783

■ 33.5578, 52.0952,
32.2559

■ 53.4675, 61.7597,
60.2612

■ 30.5646, 50.6623,
27.1375


■ 60.6444, 65.2676,
69.2719


■ 28.2640, 49.5718,
22.7166


■ 68.7770, 69.2502,
79.1329

■ 26.5939, 48.7921,
18.9621

■ 77.8992, 73.7248,
89.8660

 25.4798, 48.2857,
15.8404

 82.3856, 75.7908,
101.2272

 24.9650, 48.0586,
14.0913

 83.0853, 76.0707,
104.9118

Harmonies

Analogous

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



46.0733, 56.0925, 33.3480



41.8325, 56.0925, 44.6985



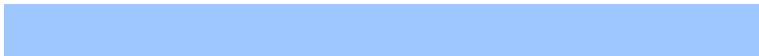
40.5718, 56.0925, 63.2052

Triad

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



41.8325, 56.0925, 44.6985



54.0529, 56.0925, 110.2378



65.8750, 56.0925, 41.8014

Complementary

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



41.8325, 56.0925, 44.6985



46.3008, 37.1675, 52.8801

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.



68.4791, 56.0925, 58.9936



41.8325, 56.0925, 44.6985



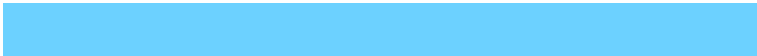
61.2767, 56.0925, 101.0291

Square

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



41.8325, 56.0925, 44.6985



47.2384, 56.0925, 104.0031



66.7253, 56.0925, 81.0308



59.8900, 56.0925, 31.9610

Rectangle

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



41.8325, 56.0925, 44.6985



41.4879, 56.0925, 78.0555



66.7253, 56.0925, 81.0308



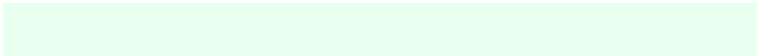
67.1982, 56.0925, 46.7555

Sweetspot

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



41.8340, 56.0948, 44.6998



83.6831, 94.4405, 94.7993



49.7478, 60.4056, 34.6292



17.5945, 20.0592, 19.8889



0.0000, 0.0000, 0.0000



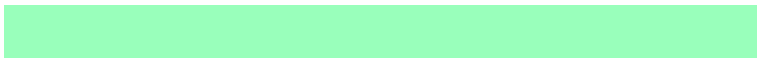
20.3446, 21.4041, 23.3091

Same Dimension

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



41.8340, 56.0948, 44.6998



57.9178, 81.9007, 60.0383



45.5136, 57.5667, 64.0762



12.4339, 13.9646, 14.0993



15.2920, 29.3721, 8.8332



0.9604, 1.7868, 0.7334

Inverse Universe

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



46.3008, 37.1675, 52.8801



65.6188, 49.2375, 74.1184



42.9340, 35.8208, 35.1512



12.7663, 12.5580, 14.7097



19.7482, 9.8356, 16.5097



1.2290, 0.6084, 1.1955

Previews

White Background



This preview shows how the XYZ color 41.8325, 56.0925, 44.6985 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 41.8325, 56.0925, 44.6985 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 41.8325, 56.0925, 44.6985

Background



This preview shows how black text looks on a background with the XYZ color 41.8325, 56.0925, 44.6985.

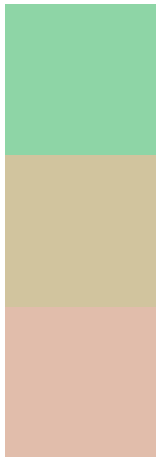


This preview shows how white text looks on a background with the XYZ color 41.8325, 56.0925,

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

41.8325, 56.0925, 44.6985

Protanopia

52.2060, 55.5038, 40.3095

Deuteranopia

56.5996, 55.3430, 46.2272



Tritanopia

48.1530, 55.7089, 77.3222

Trichromacy



Original Color

41.8325, 56.0925, 44.6985



Protanomaly

47.5611, 55.1286, 41.8523



Deuteranomaly

49.8612, 54.8548, 45.4962



Tritanomaly

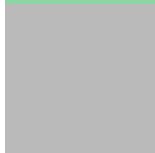
45.6110, 55.7656, 64.2370

Monochromacy



Original Color

41.8325, 56.0925, 44.6985



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

44.4542, 51.2806, 50.2030

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8325, 56.0925, 44.6985 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(142, 213, 166)` looks like.

```
.text, #text, p{  
    color:rgb(142, 213, 166)  
}
```

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(142, 213, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 213, 166) }
```

Border

The CSS property to change the border of an element to XYZ 41.8325, 56.0925, 44.6985 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(142, 213, 166) }
```


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

```
.border{ border-color:rgb(142, 213, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 213, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 213, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 213, 166); box-shadow:4px 4px 4px 4px rgb(142, 213, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8325, 56.0925, 44.6985 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 213, 166) }
```

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

```
.background{ background-color: rgb(142,  
213, 166) }
```

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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