

Converting Colors

XYZ(40.7696, 56.8915, 34.2123)

Have a look what the booklet for
XYZ(40.7696, 56.8915, 34.2123)
contains.

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Color

**XYZ(40.6913, 56.8745,
34.0325)**

Conversions

Conversions Part 1

Format	Color
Hex	8FD88D
RGB	143, 216, 141
RGB Percent	56%, 85%, 55%
CMY	0.4392, 0.1529, 0.4471
CMYK	0.34, 0.00, 0.35, 0.15
HSL	118°, 49%, 70%
HSV	118°, 35%, 85%
XYZ	40.6913, 56.8745, 34.0325
YIQ	185.6230, -19.4330, -38.8010

Conversions

Conversions Part 2

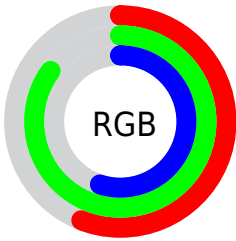
Format	Color
RYB	141, 216, 214
Decimal	9427085
CIELab	80.11, -37.42, 29.98
CIELCh	80, 47.947, 141.305
Yxy	56.8745, 0.3092, 0.4322
Android (android.graphics.Color)	4287617165 (0xFF8FD88D)
YUV	185.6230, -21.9991, -37.3804
Hunter-Lab	75.4152, -35.6644, 26.0349

Details

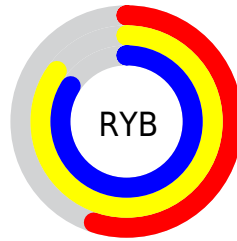
The XYZ color **40.6913, 56.8745, 34.0325** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **49.6537, 38.3055, 69.7454**, and the grayscale version is **46.5894, 49.0156, 53.3780**.

A 20% lighter version of the original color is **69.1635, 87.6022, 64.8934**, and **18.7102, 28.3518, 14.1592** is the 20% darker color. If you saturate the color by 10%, you get **35.9336, 54.5914, 26.2228**, and if you desaturate by 10%, it is **46.4475, 59.6394, 43.5275**.

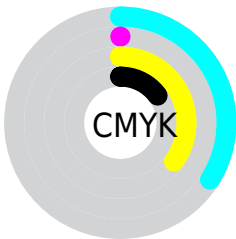
Distribution



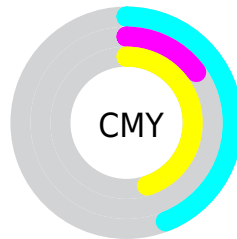
- Red (56%)
- Green (85%)
- Blue (55%)



- Red (55%)
- Yellow (85%)
- Blue (84%)



- Cyan (34%)
- Magenta (0%)
- Yellow (35%)
- Black (15%)





- Cyan (44%)
- Magenta (15%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6913, 56.8745, 34.0325 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 40.6913, 56.8745, 34.0325 by changing the saturation by 10% instead.


 40.6913, 56.8745,
34.0325


 40.6913, 56.8745,
34.0325


340.1134,
412.9789, 335.0505


 28.2646, 40.9045,
22.6410


 75.4927, 100.2820,
67.1187

 18.6667, 28.2445,
14.1259


 98.5981, 128.4884,
89.6504

 11.5322, 18.5100,
8.0685

 125.9938,
161.5422, 116.7327

 6.4959, 11.3168,
4.0504

158.0450,
199.8281, 148.7840

 3.1924, 6.2803,
1.6530

195.1173,
243.7303, 186.2229

 1.2563, 3.0163,
0.3283

237.5759,

 0.1502, 1.1402,

293.6332, 229.4679

0.0000

285.7861,
349.9213, 278.9376

■ 0.0000, 0.0121,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.6913, 56.8745,
34.0325

■ 40.6913, 56.8745,
34.0325

■ 35.9336, 54.5914,
26.2228

■ 46.4475, 59.6394,
43.5275

■ 32.1136, 52.7560,
19.9965


■ 53.2498, 62.9038,
54.7942


■ 29.1706, 51.3409,
15.2465


■ 61.1483, 66.6933,
67.9177


■ 27.0349, 50.3129,
11.8509


■ 70.1881, 71.0296,
82.9765

 25.6263, 49.6336,
9.6684

 80.4123, 75.9332,
100.0445

 24.8483, 49.2569,
8.5268

 83.8470, 77.5940,
105.1657

 24.6291, 49.1512,
8.1890

Harmonies

Analogous

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



47.5205, 56.8745, 24.1322



40.6913, 56.8745, 34.0325



37.5450, 56.8745, 54.1503

Triad

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



40.6913, 56.8745, 34.0325



51.2693, 56.8745, 131.7130



73.4983, 56.8745, 44.3768

Complementary

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



40.6913, 56.8745, 34.0325



49.6537, 38.3055, 69.7454

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.



74.8156, 56.8745, 70.4140



40.6913, 56.8745, 34.0325



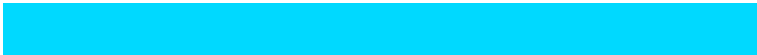
61.1681, 56.8745, 126.7234

Square

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



40.6913, 56.8745, 34.0325



43.1515, 56.8745, 114.0708



70.0705, 56.8745, 101.9796



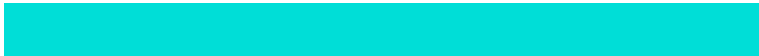
66.6617, 56.8745, 28.7328

Rectangle

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



40.6913, 56.8745, 34.0325



37.6616, 56.8745, 73.0735



70.0705, 56.8745, 101.9796



74.6314, 56.8745, 51.9753

Sweetspot

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



40.6928, 56.8769, 34.0338



82.6636, 94.0578, 88.2934



57.0494, 64.3654, 34.6171



17.3496, 19.9673, 18.3273



0.0000, 0.0000, 0.0000



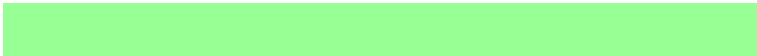
20.3446, 21.4041, 23.3091

Same Dimension

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



40.6928, 56.8769, 34.0338



53.8143, 80.2108, 40.6214



43.3787, 57.9117, 49.9678



12.2927, 13.9116, 13.1980



14.5916, 29.0986, 4.8475



0.8911, 1.7608, 0.2929

Inverse Universe

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



49.6537, 38.3055, 69.7454



68.8219, 49.0911, 100.4560



46.1863, 36.9863, 48.4227



12.9188, 12.6150, 15.6916



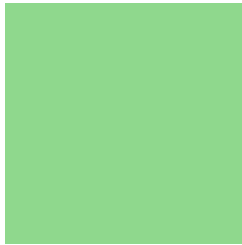
23.1246, 11.0737, 39.3718



1.4053, 0.6734, 2.3752

Previews

White Background



This preview shows how the XYZ color 40.6913, 56.8745, 34.0325 looks on a white background.

Color Contrast Check

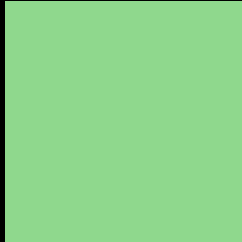
Large Text (above 18pt) WCAG AA × Fail

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 40.6913, 56.8745, 34.0325 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 40.6913, 56.8745, 34.0325

Background



This preview shows how black text looks on a background with the XYZ color 40.6913, 56.8745, 34.0325.

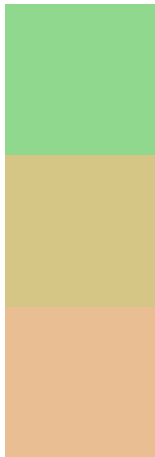


This preview shows how white text looks on a background with the XYZ color 40.6913, 56.8745,

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

40.6913, 56.8745, 34.0325

Protanopia

52.1593, 56.3778, 30.3232

Deuteranopia

57.2842, 56.2571, 35.4433



Tritanopia

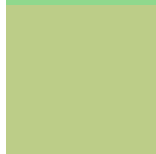
49.3567, 56.6856, 77.4473

Trichromacy



Original Color

40.6913, 56.8745, 34.0325



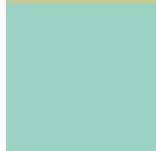
Protanomaly

47.0143, 56.1316, 31.6491



Deuteranomaly

49.3537, 55.1705, 34.8358



Tritanomaly

45.8091, 56.7157, 58.9849

Monochromacy



Original Color

40.6913, 56.8745, 34.0325



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

43.7995, 51.3808, 45.6392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6913, 56.8745, 34.0325 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(143, 216, 141)` looks like.

```
.text, #text, p{  
    color:rgb(143, 216, 141)  
}
```

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(143, 216, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 216, 141) }
```

Border

The CSS property to change the border of an element to XYZ 40.6913, 56.8745, 34.0325 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(143, 216, 141) }
```


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

```
.border{ border-color:rgb(143, 216, 141) }
```

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

Here you see how a box with a 4 pixel rgb(143, 216, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 216, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 216, 141);  
box-shadow:4px 4px 4px 4px rgb(143, 216,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6913, 56.8745, 34.0325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 216, 141) }
```

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

```
.background{ background-color: rgb(143,  
216, 141) }
```

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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