

Converting Colors

XYZ(41.4416, 56.9971, 49.8421)

Have a look what the booklet for
XYZ(41.4416, 56.9971, 49.8421)
contains.

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Color

**XYZ(41.4456, 56.9134,
49.8753)**

Conversions

Conversions Part 1

Format	Color
Hex	81D8B0
RGB	129, 216, 176
RGB Percent	51%, 85%, 69%
CMY	0.4941, 0.1529, 0.3098
CMYK	0.40, 0.00, 0.19, 0.15
HSL	152°, 53%, 68%
HSV	152°, 40%, 85%
XYZ	41.4456, 56.9134, 49.8753
YIQ	185.4270, -39.0120, -30.8840

Conversions

Conversions Part 2

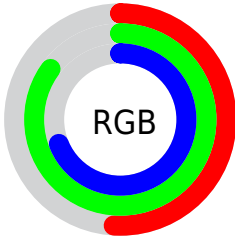
Format	Color
RYB	129, 185, 216
Decimal	8509616
CIELab	80.13, -35.20, 11.57
CIELCh	80, 37.055, 161.804
Yxy	56.9134, 0.2796, 0.3839
Android (android.graphics.Color)	4286699696 (0xFF81D8B0)
YUV	185.4270, -4.6475, -49.4865
Hunter-Lab	75.4410, -33.9577, 13.6111

Details

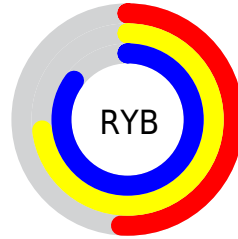
The XYZ color **41.4456, 56.9134, 49.8753** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **43.3325, 33.1654, 41.6560**, and the grayscale version is **46.3938, 48.8099, 53.1540**.

A 20% lighter version of the original color is **70.3331, 87.6605, 89.5572**, and **19.1441, 28.3756, 23.2069** is the 20% darker color. If you saturate the color by 10%, you get **37.5581, 55.0203, 44.7507**, and if you desaturate by 10%, it is **46.1016, 59.1974, 55.4137**.

Distribution



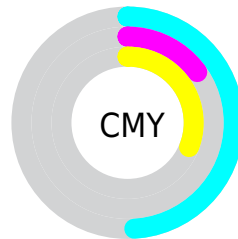
- Red (51%)
- Green (85%)
- Blue (69%)



- Red (51%)
- Yellow (73%)
- Blue (85%)



- Cyan (40%)
- Magenta (0%)
- Yellow (19%)
- Black (15%)





- Cyan (49%)
- Magenta (15%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.4456, 56.9134, 49.8753 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 41.4456, 56.9134, 49.8753 by changing the saturation by 10% instead.


 41.4456, 56.9134,
49.8753


 41.4456, 56.9134,
49.8753


343.2104,
413.1247, 402.8992


 28.8566, 40.9357,
34.9438


 76.6303, 100.3388,
91.3845

 19.1161, 28.2689,
23.3364


 99.9568, 128.5553,
118.7993

 11.8587, 18.5284,
14.6345


 127.5931,
161.6203, 151.2123

 6.7191, 11.3300,
8.4195

159.9047,
199.9180, 189.0420

 3.3318, 6.2893,
4.2729

197.2568,
243.8329, 232.7071

 1.3316, 3.0218,
1.7762

240.0150,

 0.2067, 1.1431,

293.7494, 282.6259

0.4122

288.5444,
350.0519, 339.2171

■ 0.0000, 0.0145,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.4456, 56.9134,
49.8753

■ 41.4456, 56.9134,
49.8753

■ 37.5581, 55.0203,
44.7507

■ 46.1016, 59.1974,
55.4137

■ 34.3889, 53.4878,
40.0258

■ 51.5632, 61.8868,
61.3717


■ 31.8888, 52.2923,
35.6914


■ 57.8705, 65.0034,
67.7598

■ 30.0000, 51.4042,
31.7362


■ 65.0595, 68.5659,
74.5871

 28.6543, 50.7884,
28.1482

 73.1642, 72.5913,
81.8622

 27.7495, 50.3908,
24.9976

 80.8778, 76.4061,
89.5310

 82.3582, 76.9983,
97.3266

 83.8469, 77.5937,
105.1656

Harmonies

Analogous

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



44.9857, 56.9134, 35.8632



41.4456, 56.9134, 49.8753



41.0959, 56.9134, 70.8664

Triad

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



41.4456, 56.9134, 49.8753



57.1180, 56.9134, 112.2063



65.6498, 56.9134, 38.1872

Complementary

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



41.4456, 56.9134, 49.8753



43.3325, 33.1654, 41.6560

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.



69.5801, 56.9134, 53.8494



41.4456, 56.9134, 49.8753



64.3566, 56.9134, 98.4016

Square

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



41.4456, 56.9134, 49.8753



49.6881, 56.9134, 110.4339



69.0859, 56.9134, 75.8749



58.7540, 56.9134, 30.2766

Rectangle

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



41.4456, 56.9134, 49.8753



42.6744, 56.9134, 86.5560



69.0859, 56.9134, 75.8749



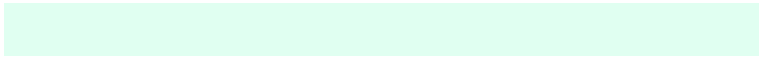
67.3893, 56.9134, 42.5439

Sweetspot

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



41.4472, 56.9157, 49.8766



82.4914, 93.7780, 96.9179



45.0114, 59.2007, 29.8242



17.3884, 19.9398, 20.4774



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.



41.4472, 56.9157, 49.8766



55.6464, 80.5847, 66.4854



45.2692, 57.2662, 73.6359



12.5401, 14.0071, 14.6588



16.4793, 29.8471, 15.0856



1.0355, 1.8169, 1.1289

Inverse Universe

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



43.3325, 33.1654, 41.6560



58.7449, 41.5946, 53.0069



40.5207, 32.6607, 24.9382



12.6584, 12.5148, 14.1413



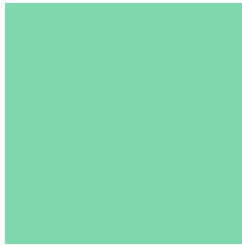
18.1570, 9.1991, 8.1310



1.1367, 0.5715, 0.7090

Previews

White Background



This preview shows how the XYZ color 41.4456, 56.9134, 49.8753 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 41.4456, 56.9134, 49.8753 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

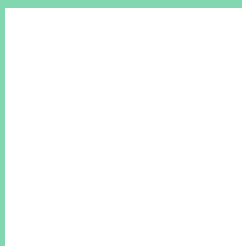
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.4456, 56.9134, 49.8753

Background



This preview shows how black text looks on a background with the XYZ color 41.4456, 56.9134, 49.8753.

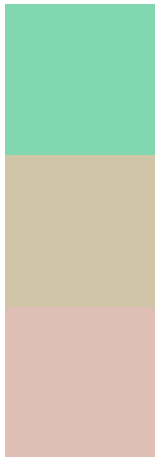


This preview shows how white text looks on a background with the XYZ color 41.4456, 56.9134,

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

41.4456, 56.9134, 49.8753

Protanopia

52.9537, 56.1324, 44.6029

Deuteranopia

57.4027, 56.2858, 51.5549



Tritanopia

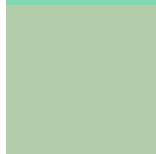
47.5124, 56.7546, 80.4021

Trichromacy



Original Color

41.4456, 56.9134, 49.8753



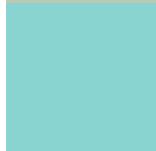
Protanomaly

47.4390, 55.6717, 46.2756



Deuteranomaly

49.7772, 55.3820, 50.7141



Tritanomaly

45.2452, 56.9594, 68.2841

Monochromacy



Original Color

41.4456, 56.9134, 49.8753



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

43.7005, 50.8566, 51.7690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.4456, 56.9134, 49.8753 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(129, 216, 176)` looks like.

```
.text, #text, p{  
    color:rgb(129, 216, 176)  
}
```

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(129, 216, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 216, 176) }
```

Border

The CSS property to change the border of an element to XYZ 41.4456, 56.9134, 49.8753 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(129, 216, 176) }
```


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

```
.border{ border-color:rgb(129, 216, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 216, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 216, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 216, 176);  
box-shadow:4px 4px 4px 4px rgb(129, 216,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 41.4456, 56.9134, 49.8753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 216, 176) }
```

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

```
.background{ background-color: rgb(129,  
216, 176) }
```

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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