

Converting Colors

XYZ(42.0434, 56.2638, 50.0156)

Have a look what the booklet for
XYZ(42.0434, 56.2638, 50.0156)
contains.

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Color

**XYZ(42.0466, 56.0812,
50.2036)**

Conversions

Conversions Part 1

Format	Color
Hex	89D5B1
RGB	137, 213, 177
RGB Percent	54%, 84%, 69%
CMY	0.4627, 0.1647, 0.3059
CMYK	0.36, 0.00, 0.17, 0.16
HSL	152°, 48%, 69%
HSV	152°, 36%, 84%
XYZ	42.0466, 56.0812, 50.2036
YIQ	186.1720, -33.7400, -27.3080

Conversions

Conversions Part 2

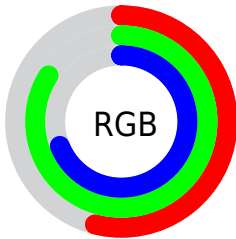
Format	Color
RYB	137, 187, 213
Decimal	9033137
CIELab	79.66, -31.35, 10.42
CIElCh	80, 33.036, 161.611
Yxy	56.0812, 0.2835, 0.3781
Android (android.graphics.Color)	4287223217 (0xFF89D5B1)
YUV	186.1720, -4.5218, -43.1238
Hunter-Lab	74.8874, -30.8315, 12.6739

Details

The XYZ color **42.0466, 56.0812, 50.2036** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **43.9310, 35.0560, 43.9885**, and the grayscale version is **46.8079, 49.2455, 53.6284**.

A 20% lighter version of the original color is **72.4603, 88.7406, 90.4004**, and **19.4322, 27.7480, 23.4005** is the 20% darker color. If you saturate the color by 10%, you get **37.9250, 54.0699, 44.9540**, and if you desaturate by 10%, it is **46.9349, 58.4822, 55.8797**.

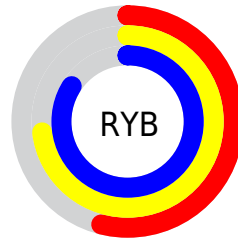
Distribution



Red (54%)

Green (84%)

Blue (69%)



Red (54%)

Yellow (73%)

Blue (84%)

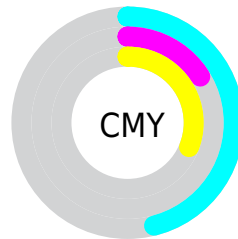


Cyan (36%)

Magenta (0%)

Yellow (17%)

Black (16%)



Cyan (46%)


Magenta (16%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0466, 56.0812, 50.2036 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 42.0466, 56.0812, 50.2036 by changing the saturation by 10% instead.


 42.0466, 56.0812,
50.2036


 42.0466, 56.0812,
50.2036


345.6644,
409.9974, 404.2195

 29.3290, 40.2680,
35.2029


 77.5349, 99.1233,
91.8759

 19.4754, 27.7476,
23.5344


 101.0363,
127.1210, 119.3845

 12.1203, 18.1355,
14.7796


 128.8631,
159.9490, 151.8995

 6.8985, 11.0473,
8.5200

161.3805,
197.9917, 189.8395

 3.4444, 6.0987,
4.3369

198.9540,
241.6335, 233.6229

 1.3929, 2.9052,
1.8119

241.9490,

 0.2512, 1.0824,

291.2588, 283.6684

0.4358

290.7306,
347.2520, 340.3944

■ 0.0000, 0.0000,
0.0000

■ 42.0466, 56.0812,
50.2036

■ 42.0466, 56.0812,
50.2036

■ 37.9250, 54.0699,
44.9540

■ 46.9349, 58.4822,
55.8797

■ 34.5232, 52.4197,
40.1169

■ 52.6243, 61.2858,
61.9884

■ 31.7960, 51.1091,
35.6826


■ 59.1525, 64.5130,
68.5405


■ 29.6909, 50.1112,
31.6398


■ 66.5535, 68.1810,
75.5453


■ 28.1470, 49.3948,
27.9763

■ 74.8593, 72.3061,
83.0116

 27.0897, 48.9216,
24.6790

 80.4007, 74.9967,
90.7750

 26.7257, 48.7627,
23.3629

 81.9215, 75.6051,
98.7836

 83.0853, 76.0706,
104.9118

Harmonies

Analogous

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



45.2400, 56.0812, 37.5322



42.0466, 56.0812, 50.2036



41.7128, 56.0812, 68.7496

Triad

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



42.0466, 56.0812, 50.2036



55.9239, 56.0812, 104.5178



63.4680, 56.0812, 39.7937

Complementary

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



42.0466, 56.0812, 50.2036



43.9310, 35.0560, 43.9885

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.



66.8640, 56.0812, 53.9716



42.0466, 56.0812, 50.2036



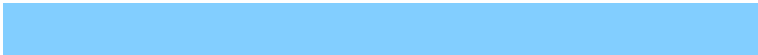
62.2723, 56.0812, 92.8105

Square

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



42.0466, 56.0812, 50.2036



49.3630, 56.0812, 102.9194



66.4091, 56.0812, 73.3850



57.4483, 56.0812, 32.4426

Rectangle

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



42.0466, 56.0812, 50.2036



43.1200, 56.0812, 82.3852



66.4091, 56.0812, 73.3850



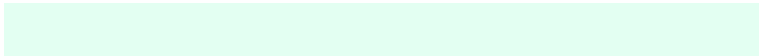
64.9760, 56.0812, 43.7789

Sweetspot

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



42.0481, 56.0835, 50.2049



83.4067, 94.2363, 97.5717



45.7077, 58.3652, 32.5243



17.5691, 20.0304, 20.5979



0.0000, 0.0000, 0.0000



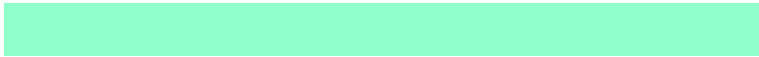
20.3446, 21.4041, 23.3091

Same Dimension

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



42.0481, 56.0835, 50.2049



58.2853, 81.8862, 69.2700



45.8055, 57.0786, 71.5566



12.5327, 14.0041, 14.6198



16.3766, 29.8060, 14.5445



1.0295, 1.8144, 1.0969

Inverse Universe

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



43.9310, 35.0560, 43.9885



61.5305, 45.6625, 58.5694



41.0844, 34.2071, 28.1050



12.6657, 12.5178, 14.1799



18.2446, 9.2342, 8.5921



1.1421, 0.5736, 0.7376

Previews

White Background



This preview shows how the XYZ color 42.0466, 56.0812, 50.2036 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 42.0466, 56.0812, 50.2036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

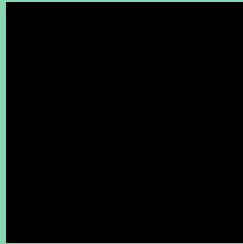
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

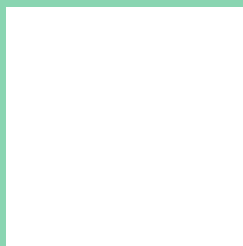
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.0466, 56.0812, 50.2036

Background



This preview shows how black text looks on a background with the XYZ color 42.0466, 56.0812, 50.2036.

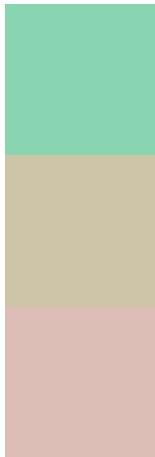


This preview shows how white text looks on a background with the XYZ color 42.0466, 56.0812,

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

42.0466, 56.0812, 50.2036

Protanopia

52.2614, 55.4288, 44.9901

Deuteranopia

56.6757, 55.5765, 51.9962



Tritanopia

47.6647, 56.1564, 78.1391

Trichromacy



Original Color

42.0466, 56.0812, 50.2036



Protanomaly

47.5273, 55.0051, 46.6402



Deuteranomaly

49.6675, 54.6306, 51.1070



Tritanomaly

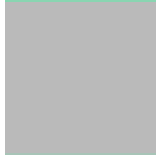
45.2687, 55.8968, 66.7958

Monochromacy



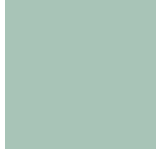
Original Color

42.0466, 56.0812, 50.2036



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

44.4356, 51.2236, 52.3449

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0466, 56.0812, 50.2036 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(137, 213, 177)` looks like.

```
.text, #text, p{  
    color:rgb(137, 213, 177)  
}
```

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(137, 213, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 213, 177) }
```

Border

The CSS property to change the border of an element to XYZ 42.0466, 56.0812, 50.2036 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(137, 213, 177) }
```


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

```
.border{ border-color:rgb(137, 213, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 213, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 213, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 213, 177);  
box-shadow:4px 4px 4px 4px rgb(137, 213,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0466, 56.0812, 50.2036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 213, 177) }
```

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

```
.background{ background-color: rgb(137,  
213, 177) }
```

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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