

Converting Colors

XYZ(42.9601, 56.5394, 56.9907)

Have a look what the booklet for
XYZ(42.9601, 56.5394, 56.9907)
contains.

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Color

**XYZ(42.8111, 56.3310,
56.7607)**

Conversions

Conversions Part 1

Format	Color
Hex	86D5BD
RGB	134, 213, 189
RGB Percent	53%, 84%, 74%
CMY	0.4745, 0.1647, 0.2588
CMYK	0.37, 0.00, 0.11, 0.16
HSL	162°, 48%, 68%
HSV	162°, 37%, 84%
XYZ	42.8111, 56.3310, 56.7607
YIQ	186.6430, -39.3800, -24.2120

Conversions

Conversions Part 2

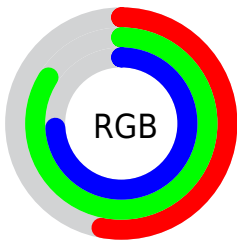
Format	Color
RYB	134, 181, 213
Decimal	8836541
CIELab	79.80, -29.66, 4.21
CIELCh	80, 29.963, 171.918
Yxy	56.3310, 0.2746, 0.3613
Android (android.graphics.Color)	4287026621 (0xFF86D5BD)
YUV	186.6430, 1.1620, -46.1679
Hunter-Lab	75.0540, -29.5273, 7.6988

Details

The XYZ color **42.8111, 56.3310, 56.7607** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.1392, 33.6664, 36.6273**, and the grayscale version is **47.0439, 49.4938, 53.8988**.

A 20% lighter version of the original color is **73.4766, 89.0597, 99.7038**, and **19.9791, 27.9368, 27.6319** is the 20% darker color. If you saturate the color by 10%, you get **39.0655, 54.4809, 53.0006**, and if you desaturate by 10%, it is **47.2750, 58.5507, 60.7205**.

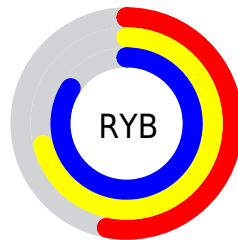
Distribution



Red (53%)

Green (84%)

Blue (74%)



Red (53%)

Yellow (71%)

Blue (84%)

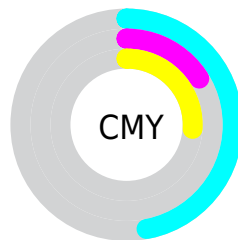


Cyan (37%)

Magenta (0%)

Yellow (11%)

Black (16%)



Cyan (47%)


Magenta (16%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.8111, 56.3310, 56.7607 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 42.8111, 56.3310, 56.7607 by changing the saturation by 10% instead.


 42.8111, 56.3310,
56.7607


 42.8111, 56.3310,
56.7607


348.7690,
410.9377, 430.0206


 29.9308, 40.4684,
40.4051

 78.6832, 99.4884,
101.6128

 19.9339, 27.9039,
27.5383

 102.4058,
127.5519, 130.9463

 12.4550, 18.2532,
17.7419


 130.4731,
160.4512, 165.4429

 7.1287, 11.1320,
10.5973

163.2506,
198.5706, 205.5211

 3.5898, 6.1557,
5.6860

201.1035,
242.2946, 251.5995

 1.4728, 2.9400,
2.5894

244.3974,

 0.3072, 1.1005,

292.0075, 304.0964

0.8870

293.4974,
348.0937, 363.4307

■ 0.0000, 0.0000,
0.0000

■ 42.8111, 56.3310,
56.7607

■ 42.8111, 56.3310,
56.7607

■ 39.0655, 54.4809,
53.0006

■ 47.2750, 58.5507,
60.7205

■ 35.9916, 52.9721,
49.4324

■ 52.4906, 61.1528,
64.8799

■ 33.5451, 51.7831,
46.0528

■ 58.4951, 64.1578,
69.2440

■ 31.6735, 50.8871,
42.8574

■ 65.3215, 67.5828,
73.8164

■ 30.3161, 50.2526,
39.8410

■ 73.0011, 71.4439,
78.6004

■ 29.3918, 49.8381,
36.9976

■ 79.0154, 74.4426,
83.4801

■ 29.1634, 49.7378,
36.2002

■ 79.9301, 74.8085,
88.2966

■ 80.8787, 75.1879,
93.2921

■ 81.8617, 75.5811,
98.4685

Harmonies

Analogous

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



44.8812, 56.3310, 42.9650



42.8111, 56.3310, 56.7607



43.4401, 56.3310, 74.6567

Triad

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



42.8111, 56.3310, 56.7607



58.0102, 56.3310, 97.8039



61.0560, 56.3310, 38.6349

Complementary

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



42.8111, 56.3310, 56.7607



42.1392, 33.6664, 36.6273

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.



65.0974, 56.3310, 49.7003



42.8111, 56.3310, 56.7607



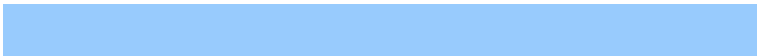
63.2485, 56.3310, 84.3116

Square

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



42.8111, 56.3310, 56.7607



51.9190, 56.3310, 100.6718



65.9286, 56.3310, 66.1484



55.1963, 56.3310, 33.8680

Rectangle

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



42.8111, 56.3310, 56.7607



45.3284, 56.3310, 86.4450



65.9286, 56.3310, 66.1484



62.6899, 56.3310, 41.6293

Sweetspot

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



42.8127, 56.3333, 56.7620



84.1308, 94.5260, 101.3849



42.4005, 56.6848, 31.2617



17.7419, 20.0995, 21.5080



0.0000, 0.0000, 0.0000



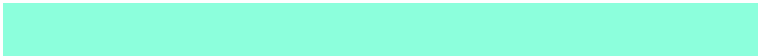
20.3446, 21.4041, 23.3091

Same Dimension

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



42.8127, 56.3333, 56.7620



59.5537, 82.2917, 80.5500



42.1559, 50.4994, 70.4790



12.6240, 14.0406, 15.1005



17.8609, 30.3997, 22.3608



1.1133, 1.8480, 1.5384

Inverse Universe

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



42.1392, 33.6664, 36.6273



58.4037, 43.1889, 45.8741



42.4113, 37.2007, 27.5003



12.5770, 12.4823, 13.7129



17.3797, 8.8882, 4.0375



1.0848, 0.5507, 0.4357

Previews

White Background



This preview shows how the XYZ color 42.8111, 56.3310, 56.7607 looks on a white background.

Color Contrast Check

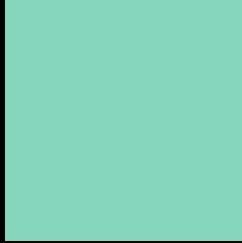
Large Text (above 18pt) WCAG AA × Fail

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 42.8111, 56.3310, 56.7607 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

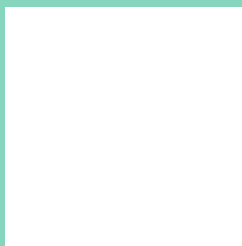
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8111, 56.3310, 56.7607

Background



This preview shows how black text looks on a background with the XYZ color 42.8111, 56.3310, 56.7607.



This preview shows how white text looks on a background with the XYZ color 42.8111, 56.3310,

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

42.8111, 56.3310, 56.7607

Protanopia

52.8800, 55.6125, 51.1272

Deuteranopia

56.7663, 55.4737, 58.7545



Tritanopia

47.4742, 56.3876, 79.6159

Trichromacy



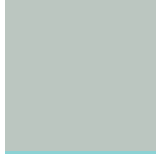
Original Color

42.8111, 56.3310, 56.7607



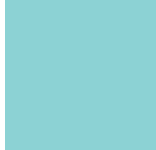
Protanomaly

48.2582, 55.2437, 52.9194



Deuteranomaly

50.2020, 54.7587, 57.7927



Tritanomaly

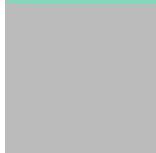
45.7455, 56.4221, 70.7669

Monochromacy



Original Color

42.8111, 56.3310, 56.7607



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.9655, 51.4355, 55.1351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8111, 56.3310, 56.7607 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(134, 213, 189)` looks like.

```
.text, #text, p{  
    color:rgb(134, 213, 189)  
}
```

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(134, 213, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 213, 189) }
```

Border

The CSS property to change the border of an element to XYZ 42.8111, 56.3310, 56.7607 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(134, 213, 189) }
```


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

```
.border{ border-color:rgb(134, 213, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 213, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 213, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 213, 189);  
box-shadow:4px 4px 4px 4px rgb(134, 213,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8111, 56.3310, 56.7607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 213, 189) }
```

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

```
.background{ background-color: rgb(134,  
213, 189) }
```

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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