

Converting Colors

XYZ(46.9489, 55.6049, 57.2266)

Have a look what the booklet for
XYZ(46.9489, 55.6049, 57.2266)
contains.

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Color

**XYZ(46.8515, 55.4873,
56.9560)**

Conversions

Conversions Part 1

Format	Color
Hex	A6CDBE
RGB	166, 205, 190
RGB Percent	65%, 80%, 75%
CMY	0.3490, 0.1961, 0.2549
CMYK	0.19, 0.00, 0.07, 0.20
HSL	157°, 28%, 73%
HSV	157°, 19%, 80%
XYZ	46.8515, 55.4873, 56.9560
YIQ	191.6290, -18.4290, -12.9330

Conversions

Conversions Part 2

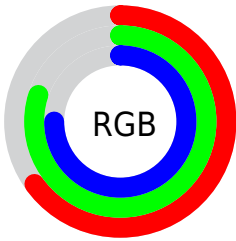
Format	Color
RYB	166, 190, 205
Decimal	10931646
CIELab	79.32, -15.90, 3.20
CIELCh	79, 16.215, 168.620
Yxy	55.4873, 0.2941, 0.3483
Android (android.graphics.Color)	4289121726 (0xFFA6CDBE)
YUV	191.6290, -0.8031, -22.4766
Hunter-Lab	74.4898, -18.0868, 6.8088

Details

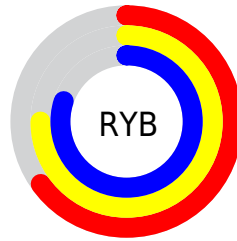
The XYZ color **46.8515, 55.4873, 56.9560** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.1555, 43.5893, 49.6468**, and the grayscale version is **49.9001, 52.4988, 57.1712**.

A 20% lighter version of the original color is **82.2133, 93.5460, 100.9119**, and **22.3920, 27.4501, 27.7851** is the 20% darker color. If you saturate the color by 10%, you get **42.0534, 53.1122, 52.3540**, and if you desaturate by 10%, it is **52.3843, 58.2388, 61.8382**.

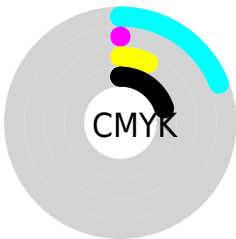
Distribution



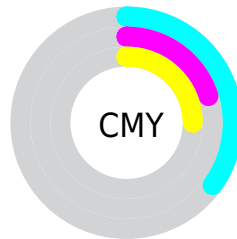
- Red (65%)
- Green (80%)
- Blue (75%)



- Red (65%)
- Yellow (75%)
- Blue (80%)



- Cyan (19%)
- Magenta (0%)
- Yellow (7%)
- Black (20%)



- Cyan (35%)
- Magenta (20%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8515, 55.4873, 56.9560 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 46.8515, 55.4873, 56.9560 by changing the saturation by 10% instead.

■ 46.8515, 55.4873,
56.9560

■ 46.8515, 55.4873,
56.9560

364.8803,
407.7565, 430.7735

■ 33.1257, 39.7920,
40.5608

■ 84.7120, 98.2546,
101.9007

■ 22.3825, 27.3764,
27.6589

■ 109.5775,
126.0953, 131.2872

■ 14.2564, 17.8561,
17.8319

138.8868,
158.7533, 165.8413

■ 8.3821, 10.8467,
10.6612

173.0055,
196.6130, 205.9815

■ 4.3943, 5.9639,
5.7282

212.2989,
240.0588, 252.1262

■ 1.9275, 2.8231,
2.6144

257.1322,

■ 0.5927, 1.0401,

289.4750, 304.6941

0.8999

307.8709,
345.2461, 364.1037

■ 0.0000, 0.0000,
0.0000

■ 46.8515, 55.4873,
56.9560

■ 46.8515, 55.4873,
56.9560

■ 42.0534, 53.1122,
52.3540

■ 52.3843, 58.2388,
61.8382

■ 37.9524, 51.0897,
48.0231

■ 58.6782, 61.3756,
67.0020

■ 34.5141, 49.4036,
43.9590

■ 65.7639, 64.9151,
72.4538

■ 31.6996, 48.0339,
40.1559

■ 73.6688, 68.8713,
78.1982

■ 29.4656, 46.9584,
36.6076

■ 77.2753, 70.6058,
83.9994

■ 27.7628, 46.1519,
33.3075

■ 78.4046, 71.0575,
89.9460

■ 26.5335, 45.5846,
30.2488

■ 79.5845, 71.5295,
96.1596

■ 25.6826, 45.2076,
27.4223

■ 80.8158, 72.0220,
102.6436

■ 25.6077, 45.1748,
27.1584

■ 81.1223, 72.1446,
104.2574

Harmonies

Analogous

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



48.1912, 55.4873, 49.3493



46.8515, 55.4873, 56.9560



47.0403, 55.4873, 66.3077

Triad

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



46.8515, 55.4873, 56.9560



54.7579, 55.4873, 78.9965



56.9753, 55.4873, 47.9671

Complementary

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



46.8515, 55.4873, 56.9560



47.1555, 43.5893, 49.6468

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.



58.8803, 55.4873, 54.8845



46.8515, 55.4873, 56.9560



57.5643, 55.4873, 73.0252

Square

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



46.8515, 55.4873, 56.9560



51.5165, 55.4873, 79.6975



59.1002, 55.4873, 64.0139



53.9807, 55.4873, 44.5263

Rectangle

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



46.8515, 55.4873, 56.9560



48.0094, 55.4873, 72.2791



59.1002, 55.4873, 64.0139



57.7695, 55.4873, 49.9281

Sweetspot

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



46.8531, 55.4896, 56.9572



88.7102, 96.8395, 103.7327



47.9132, 56.3147, 44.4219



18.8460, 20.6571, 22.0849



0.0000, 0.0000, 0.0000



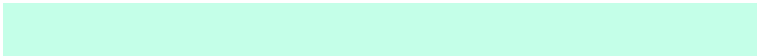
20.3446, 21.4041, 23.3091

Same Dimension

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



46.8531, 55.4896, 56.9572



73.2441, 89.1540, 90.0198



47.6571, 54.3370, 65.7365



11.3533, 12.6511, 13.4177



15.9887, 28.1408, 17.1574



0.8612, 1.4663, 1.0767

Inverse Universe

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



47.1555, 43.5893, 49.6468



73.8334, 66.0077, 75.8053



46.4175, 44.4458, 42.2098



11.3879, 11.2839, 12.5775



16.5921, 8.4474, 5.5704



0.8928, 0.4505, 0.4812

Previews

White Background



This preview shows how the XYZ color 46.8515, 55.4873, 56.9560 looks on a white background.

Color Contrast Check

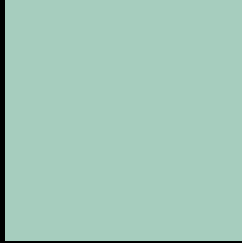
Large Text (above 18pt) WCAG AA × Fail

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 46.8515, 55.4873, 56.9560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

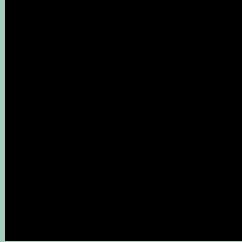
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

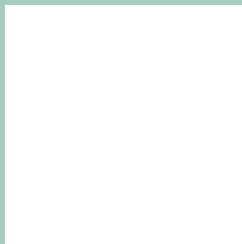
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.8515, 55.4873, 56.9560

Background



This preview shows how black text looks on a background with the XYZ color 46.8515, 55.4873, 56.9560.

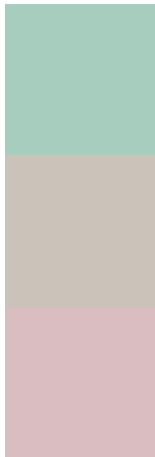


This preview shows how white text looks on a background with the XYZ color 46.8515, 55.4873,

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

46.8515, 55.4873, 56.9560

Protanopia

52.6292, 55.0896, 53.7584

Deuteranopia

56.3580, 55.2761, 58.1510



Tritanopia

50.2056, 55.4410, 73.7007

Trichromacy



Original Color

46.8515, 55.4873, 56.9560

Protanomaly

50.3793, 55.2535, 55.0234

Deuteranomaly

52.3182, 54.8418, 57.6972

Tritanomaly

48.7452, 55.1811, 67.1133

Monochromacy



Original Color

46.8515, 55.4873, 56.9560

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

48.8987, 53.7614, 57.0900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8515, 55.4873, 56.9560 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(166, 205, 190)` looks like.

```
.text, #text, p{  
    color:rgb(166, 205, 190)  
}
```

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(166, 205, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 205, 190) }
```

Border

The CSS property to change the border of an element to XYZ 46.8515, 55.4873, 56.9560 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(166, 205, 190) }
```


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

```
.border{ border-color:rgb(166, 205, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 205, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 205, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 205, 190);  
box-shadow:4px 4px 4px 4px rgb(166, 205,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8515, 55.4873, 56.9560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 205, 190) }
```

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

```
.background{ background-color: rgb(166,  
205, 190) }
```

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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