

Converting Colors

XYZ(56.4622, 66.6125, 85.4860)

Have a look what the booklet for
XYZ(56.4622, 66.6125, 85.4860)
contains.

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Color

**XYZ(56.5374, 66.6519,
85.4866)**

Conversions

Conversions Part 1

Format	Color
Hex	A6DFE7
RGB	166, 223, 231
RGB Percent	65%, 87%, 91%
CMY	0.3490, 0.1255, 0.0941
CMYK	0.28, 0.03, 0.00, 0.09
HSL	187°, 58%, 78%
HSV	187°, 28%, 91%
XYZ	56.5374, 66.6519, 85.4866
YIQ	206.8690, -36.5400, -9.5960

Conversions

Conversions Part 2

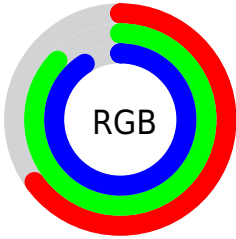
Format	Color
RYB	166, 196, 231
Decimal	10936295
CIELab	85.33, -16.25, -9.80
CIELCh	85, 18.982, 211.091
Yxy	66.6519, 0.2709, 0.3194
Android (android.graphics.Color)	4289126375 (0xFFA6DFE7)
YUV	206.8690, 11.8966, -35.8421
Hunter-Lab	81.6406, -19.2570, -4.9346

Details

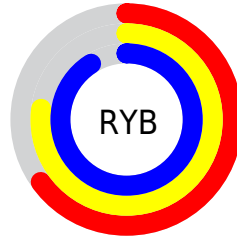
The XYZ color **56.5374, 66.6519, 85.4866** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.9748, 50.0147, 42.8342**, and the grayscale version is **59.1682, 62.2495, 67.7898**.

A 20% lighter version of the original color is **84.2414, 94.4280, 108.3942**, and **28.4226, 34.5452, 45.7273** is the 20% darker color. If you saturate the color by 10%, you get **51.3707, 62.8721, 85.0305**, and if you desaturate by 10%, it is **62.5905, 70.9109, 85.9907**.

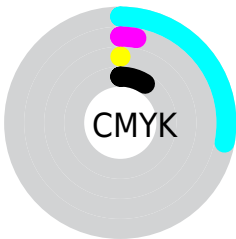
Distribution



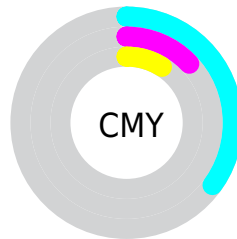
- Red (65%)
- Green (87%)
- Blue (91%)



- Red (65%)
- Yellow (77%)
- Blue (91%)



- Cyan (28%)
- Magenta (3%)
- Yellow (0%)
- Black (9%)



- Cyan (35%)
- Magenta (13%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.5374, 66.6519, 85.4866 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 56.5374, 66.6519, 85.4866 by changing the saturation by 10% instead.

■ 56.5374, 66.6519,
85.4866

■ 56.5374, 66.6519,
85.4866

401.7559,
448.7047, 533.4233

■ 40.8726, 48.8018,
63.6911

■ 98.9251, 114.4215,
142.9330

■ 28.4068, 34.4623,
45.9559

■ 126.3788,
145.1097, 179.4210

■ 18.7746, 23.2490,
31.8626

158.4929,
180.8462, 221.6435

■ 11.6105, 14.7774,
20.9926

195.6326,
222.0152, 270.0191

■ 6.5494, 8.6633,
12.9274

238.1635,
269.0011, 324.9664

■ 3.2257, 4.5222,
7.2485

286.4507,

■ 1.2742, 1.9698,

322.1884, 386.9038

3.5372

340.8597,
381.9615, 456.2499

■ 0.1638, 0.5898,
1.3750

■ 0.0000, 0.0000,
0.1221

■ 56.5374, 66.6519,
85.4866

■ 56.5374, 66.6519,
85.4866

■ 51.3707, 62.8721,
85.0305

■ 62.5905, 70.9109,
85.9907

■ 47.0378, 59.5394,
84.6155

■ 69.5673, 75.6634,
86.5404

■ 43.4898, 56.6300,
84.2410

■ 77.5100, 80.9329,
87.1389

■ 40.6700, 54.1147,
83.9041

■ 85.1932, 86.0879,
87.7289

■ 38.5141, 51.9601,
83.6019

■ 86.0106, 87.7227,
88.0014

■ 36.9463, 50.1272,
83.3307

■ 86.8410, 89.3836,
88.2782

■ 35.8595, 48.5607,
83.0856

■ 87.6846, 91.0707,
88.5594

■ 35.6808, 48.2832,
83.0415

■ 88.5413, 92.7842,
88.8450

■ 89.4113, 94.5241,
89.1349

Harmonies

Analogous

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



55.4460, 66.6519, 73.0241



56.5374, 66.6519, 85.4866



59.4411, 66.6519, 95.3124

Triad

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



56.5374, 66.6519, 85.4866



70.8598, 66.6519, 84.6190



63.1934, 66.6519, 51.3977

Complementary

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



56.5374, 66.6519, 85.4866



54.9748, 50.0147, 42.8342

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.



67.4280, 66.6519, 53.7720



56.5374, 66.6519, 85.4866



71.9730, 66.6519, 72.1229

Square

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



56.5374, 66.6519, 85.4866



67.7125, 66.6519, 94.7730



70.6904, 66.6519, 61.0294



59.1802, 66.6519, 54.1418

Rectangle

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



56.5374, 66.6519, 85.4866



62.0801, 66.6519, 98.5409



70.6904, 66.6519, 61.0294



64.6383, 66.6519, 51.6214

Sweetspot

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



56.5394, 66.6546, 85.4881



87.1435, 94.7431, 108.3020



51.9026, 68.2999, 50.2809



18.3529, 20.0774, 23.1580



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.



56.5394, 66.6546, 85.4881



66.7133, 80.4795, 106.6257



48.7637, 51.1033, 82.8962



14.6482, 16.0178, 18.4640



20.0651, 27.1923, 46.5743



1.5255, 2.0949, 3.4559

Inverse Universe

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



59.9121, 49.5907, 76.2293



71.6778, 55.9280, 92.8704



61.9306, 63.9262, 45.1528



14.9148, 14.5831, 17.7515



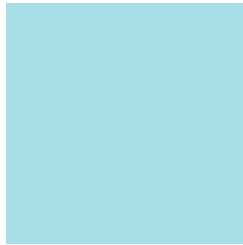
24.5214, 11.9428, 32.7045



1.8336, 0.8912, 2.5303

Previews

White Background



This preview shows how the XYZ color 56.5374, 66.6519, 85.4866 looks on a white background.

Color Contrast Check

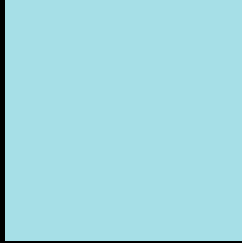
Large Text (above 18pt) WCAG AA × Fail

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 56.5374, 66.6519, 85.4866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

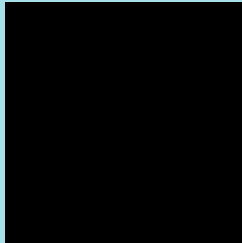
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.5374, 66.6519, 85.4866

Background



This preview shows how black text looks on a background with the XYZ color 56.5374, 66.6519, 85.4866.

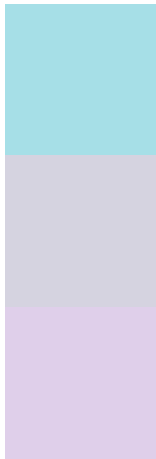


This preview shows how white text looks on a background with the XYZ color 56.5374, 66.6519,

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

56.5374, 66.6519, 85.4866

Protanopia

64.1894, 66.1165, 79.8996

Deuteranopia

67.5955, 66.2541, 87.0676



Tritanopia

57.8497, 66.7994, 91.5059

Trichromacy



Original Color

56.5374, 66.6519, 85.4866

Protanomaly

60.9305, 65.8827, 82.1783

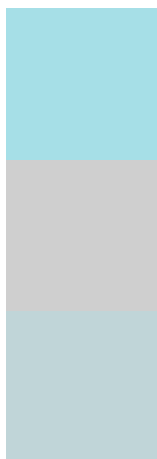
Deuteranomaly

62.8594, 66.0282, 86.5225

Tritanomaly

57.1979, 66.5142, 89.1807

Monochromacy



Original Color

56.5374, 66.6519, 85.4866

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

57.9271, 63.7528, 74.2182

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5374, 66.6519, 85.4866 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, 223, 231)` looks like.

```
.text, #text, p{  
    color:rgb(166, 223, 231)  
}
```

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, 223, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 223, 231) }
```

Border

The CSS property to change the border of an element to XYZ 56.5374, 66.6519, 85.4866 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, 223, 231) }
```


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

```
.border{ border-color:rgb(166, 223, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 223, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 223, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 223, 231);  
box-shadow:4px 4px 4px 4px rgb(166, 223,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5374, 66.6519, 85.4866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 223, 231) }
```

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

```
.background{ background-color: rgb(166,  
223, 231) }
```

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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