

Converting Colors

XYZ(56.4029, 66.3758, 87.6821)

Have a look what the booklet for
XYZ(56.4029, 66.3758, 87.6821)
contains.

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Color

**XYZ(56.5488, 66.6084,
87.7182)**

Conversions

Conversions Part 1

Format	Color
Hex	A4DFEA
RGB	164, 223, 234
RGB Percent	64%, 87%, 92%
CMY	0.3569, 0.1255, 0.0823
CMYK	0.30, 0.05, 0.00, 0.08
HSL	189°, 63%, 78%
HSV	189°, 30%, 92%
XYZ	56.5488, 66.6084, 87.7182
YIQ	206.6130, -38.6950, -9.0870

Conversions

Conversions Part 2

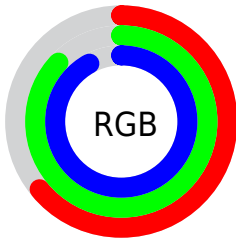
Format	Color
RYB	164, 196, 234
Decimal	10805226
CIELab	85.31, -16.13, -11.43
CIELCh	85, 19.772, 215.324
Yxy	66.6084, 0.2682, 0.3159
Android (android.graphics.Color)	4288995306 (0xFFA4DFEA)
YUV	206.6130, 13.5018, -37.3716
Hunter-Lab	81.6140, -19.1451, -6.5948

Details

The XYZ color **56.5488, 66.6084, 87.7182** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.9634, 50.8332, 41.9856**, and the grayscale version is **58.9947, 62.0670, 67.5910**.

A 20% lighter version of the original color is **83.6288, 94.1122, 108.3655**, and **28.4689, 34.5346, 47.2849** is the 20% darker color. If you saturate the color by 10%, you get **51.1858, 62.4029, 87.1902**, and if you desaturate by 10%, it is **62.8256, 71.3199, 88.2979**.

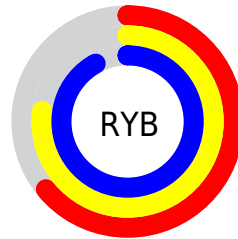
Distribution



Red (64%)

Green (87%)

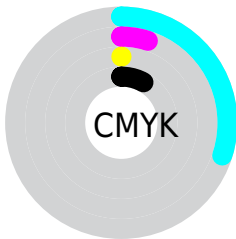
Blue (92%)



Red (64%)

Yellow (77%)

Blue (92%)

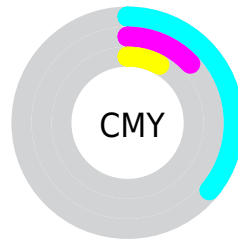


Cyan (30%)

Magenta (5%)

Yellow (0%)

Black (8%)



Cyan (36%)

Magenta (13%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.5488, 66.6084, 87.7182 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 56.5488, 66.6084, 87.7182 by changing the saturation by 10% instead.

■ 56.5488, 66.6084,
87.7182

■ 56.5488, 66.6084,
87.7182

401.7980,
448.5496, 540.9573

■ 40.8818, 48.7665,
65.5267

■ 98.9417, 114.3591,
146.0725

■ 28.4140, 34.4343,
47.4342

■ 126.3983,
145.0367, 183.0723

■ 18.7800, 23.2274,
33.0223

158.5155,
180.7615, 225.8453

■ 11.6145, 14.7615,
21.8722

195.6587,
221.9181, 274.8101

■ 6.5521, 8.6522,
13.5656

238.1932,
268.8908, 330.3851

■ 3.2274, 4.5150,
7.6839

286.4843,

■ 1.2751, 1.9656,

322.0641, 392.9890

3.8085

340.8975,
381.8222, 463.0402

■ 0.1645, 0.5874,
1.5209

■ 0.0000, 0.0000,
0.2334

■ 56.5488, 66.6084,
87.7182

■ 56.5488, 66.6084,
87.7182

■ 51.1858, 62.4029,
87.1902

■ 62.8256, 71.3199,
88.2979

■ 46.6816, 58.6699,
86.7071

■ 70.0554, 76.5530,
88.9269

■ 42.9847, 55.3844,
86.2678

■ 78.2823, 82.3321,
89.6088

■ 40.0352, 52.5153,
85.8694

■ 86.5816, 88.1807,
90.3003

■ 37.7650, 50.0273,
85.5089

■ 87.6612, 90.3399,
90.6602

■ 36.0929, 47.8782,
85.1822

■ 88.7628, 92.5431,
91.0274

■ 34.8816, 45.9971,
84.8829

■ 89.8865, 94.7905,
91.4019

■ 34.8719, 45.9813,
84.8804

■ 91.0324, 97.0823,
91.7839

■ 91.8515, 98.7206,
92.0569

Harmonies

Analogous

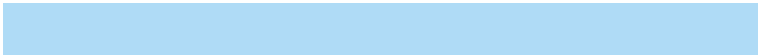
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



55.1269, 66.6084, 74.8346



56.5488, 66.6084, 87.7182



59.7865, 66.6084, 97.2863

Triad

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



56.5488, 66.6084, 87.7182



71.4497, 66.6084, 83.3011



62.5147, 66.6084, 50.6625

Complementary

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



56.5488, 66.6084, 87.7182



55.9634, 50.8332, 41.9856

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.



66.9679, 66.6084, 52.3683



56.5488, 66.6084, 87.7182



72.2638, 66.6084, 70.2638

Square

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



56.5488, 66.6084, 87.7182



68.4130, 66.6084, 94.5330



70.5882, 66.6084, 59.1964



58.4659, 66.6084, 54.2292

Rectangle

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



56.5488, 66.6084, 87.7182



62.6108, 66.6084, 99.9459



70.5882, 66.6084, 59.1964



64.0129, 66.6084, 50.6434

Sweetspot

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



56.5508, 66.6111, 87.7197



85.9655, 93.6252, 108.1483



52.4228, 69.8150, 51.0146



18.1060, 19.8301, 23.1233



0.0000, 0.0000, 0.0000



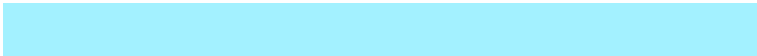
20.3446, 21.4041, 23.3091

Same Dimension

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



56.5508, 66.6111, 87.7197



64.5256, 77.6884, 106.2022



48.2527, 50.0150, 84.9537



15.3044, 16.6953, 19.3381



19.6724, 25.9918, 47.7230



1.5989, 2.1494, 3.7655

Inverse Universe

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



60.5281, 49.3727, 76.1547



70.1869, 53.8511, 89.5837



63.5572, 66.0208, 44.5169



15.6072, 15.2707, 18.4829



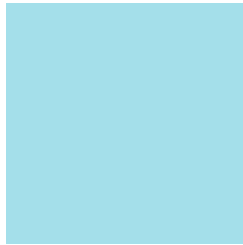
24.7850, 12.1167, 30.9990



1.9736, 0.9624, 2.5782

Previews

White Background



This preview shows how the XYZ color 56.5488, 66.6084, 87.7182 looks on a white background.

Color Contrast Check

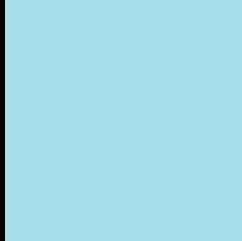
Large Text (above 18pt) WCAG AA × Fail

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 56.5488, 66.6084, 87.7182 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

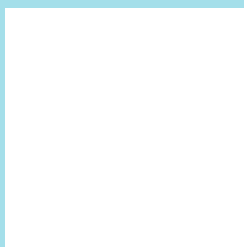
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.5488, 66.6084, 87.7182

Background



This preview shows how black text looks on a background with the XYZ color 56.5488, 66.6084, 87.7182.

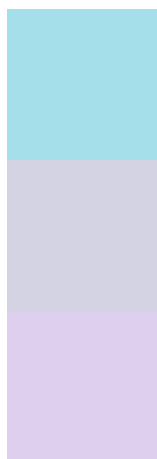


This preview shows how white text looks on a background with the XYZ color 56.5488, 66.6084,

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

56.5488, 66.6084, 87.7182

Protanopia

64.3108, 66.1316, 82.0482

Deuteranopia

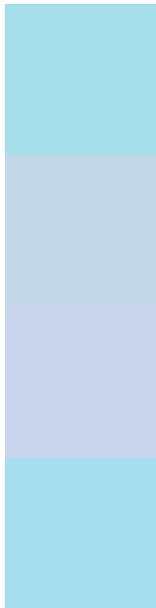
67.4177, 66.1122, 89.3284



Tritanopia

57.3665, 66.5332, 92.2567

Trichromacy



Original Color

56.5488, 66.6084, 87.7182

Protanomaly

61.0890, 65.9162, 84.3663

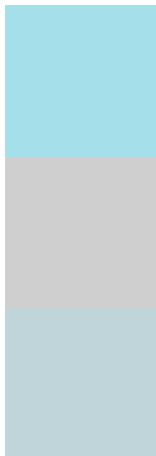
Deuteranomaly

62.7540, 65.9240, 88.7740

Tritanomaly

57.0709, 66.4149, 90.7003

Monochromacy



Original Color

56.5488, 66.6084, 87.7182

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

57.8045, 63.6746, 74.8894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.5488, 66.6084, 87.7182 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(164, 223, 234)` looks like.

```
.text, #text, p{  
    color:rgb(164, 223, 234)  
}
```

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(164, 223, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 223, 234) }
```

Border

The CSS property to change the border of an element to XYZ 56.5488, 66.6084, 87.7182 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(164, 223, 234) }
```


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

```
.border{ border-color:rgb(164, 223, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 223, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 223, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 223, 234);  
box-shadow:4px 4px 4px 4px rgb(164, 223,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 56.5488, 66.6084, 87.7182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 223, 234) }
```

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

```
.background{ background-color: rgb(164,  
223, 234) }
```

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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