

Converting Colors

XYZ(56.3900, 66.8226, 74.7468)

Have a look what the booklet for
XYZ(56.3900, 66.8226, 74.7468)
contains.

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Color

**XYZ(56.4615, 66.8472,
74.8927)**

Conversions

Conversions Part 1

Format	Color
Hex	AFDFD8
RGB	175, 223, 216
RGB Percent	69%, 87%, 85%
CMY	0.3137, 0.1255, 0.1529
CMYK	0.22, 0.00, 0.03, 0.13
HSL	171°, 43%, 78%
HSV	171°, 22%, 87%
XYZ	56.4615, 66.8472, 74.8927
YIQ	207.8500, -26.3610, -12.3530

Conversions

Conversions Part 2

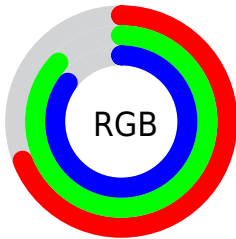
Format	Color
RYB	175, 201, 223
Decimal	11526104
CIELab	85.43, -16.87, -1.67
CIElCh	85, 16.952, 185.660
Yxy	66.8472, 0.2849, 0.3373
Android (android.graphics.Color)	4289716184 (0xFFAFDFD8)
YUV	207.8500, 4.0180, -28.8094
Hunter-Lab	81.7601, -19.8126, 2.9222

Details

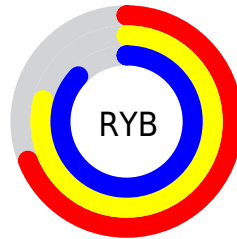
The XYZ color **56.4615, 66.8472, 74.8927** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.2072, 49.7270, 50.9999**, and the grayscale version is **59.8456, 62.9622, 68.5659**.

A 20% lighter version of the original color is **86.7650, 95.7289, 108.5123**, and **28.3208, 34.6434, 38.9124** is the 20% darker color. If you saturate the color by 10%, you get **51.4478, 64.3124, 72.4853**, and if you desaturate by 10%, it is **62.3139, 69.8169, 77.3857**.

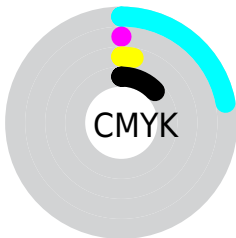
Distribution



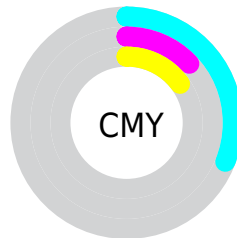
- Red (69%)
- Green (87%)
- Blue (85%)



- Red (69%)
- Yellow (79%)
- Blue (87%)



- Cyan (22%)
- Magenta (0%)
- Yellow (3%)
- Black (13%)



- Cyan (31%)
- Magenta (13%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.4615, 66.8472, 74.8927 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 56.4615, 66.8472, 74.8927 by changing the saturation by 10% instead.

■ 56.4615, 66.8472,
74.8927

■ 56.4615, 66.8472,
74.8927

401.4753,
449.4007, 496.7943

■ 40.8115, 48.9605,
55.0238

■ 98.8149, 114.7014,
127.9062

■ 28.3588, 34.5881,
39.0220

126.2491,
145.4377, 161.8878

■ 18.7382, 23.3458,
26.4689

158.3420,
181.2260, 201.4107

■ 11.5841, 14.8490,
16.9459

195.4590,
222.4506, 246.8936

■ 6.5313, 8.7135,
10.0343

237.9655,
269.4960, 298.7548

■ 3.2145, 4.5548,
5.3158

286.2268,

■ 1.2682, 1.9885,

322.7465, 357.4129

2.3718

340.6083,
382.5866, 423.2866

■ 0.1592, 0.6008,
0.7710

■ 0.0000, 0.0000,
0.0000

■ 56.4615, 66.8472,
74.8927

■ 56.4615, 66.8472,
74.8927

■ 51.4478, 64.3124,
72.4853

■ 62.3139, 69.8169,
77.3857

■ 47.2265, 62.1834,
70.1568

■ 69.0371, 73.2328,
79.9617

■ 43.7554, 60.4402,
67.9064

■ 76.6685, 77.1159,
82.6242

■ 40.9863, 59.0580,
65.7316

■ 81.7739, 79.6958,
85.2127

■ 38.8652, 58.0088,
63.6296

■ 82.2326, 79.8793,
87.6281

■ 37.3300, 57.2608,
61.5972

■ 82.6998, 80.0662,
90.0887

■ 36.3066, 56.7757,
59.6307

■ 83.1757, 80.2565,
92.5946

■ 35.7347, 56.5161,
58.0107

■ 83.6602, 80.4503,
95.1460

■ 84.1534, 80.6476,
97.7432

Harmonies

Analogous

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



57.0374, 66.8472, 64.4050



56.4615, 66.8472, 74.8927



57.7184, 66.8472, 85.8354

Triad

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



56.4615, 66.8472, 74.8927



67.9431, 66.8472, 91.3735



66.6314, 66.8472, 55.1528

Complementary

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



56.4615, 66.8472, 74.8927



54.2072, 49.7270, 50.9999

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.



69.7325, 66.8472, 61.1297



56.4615, 66.8472, 74.8927



70.5109, 66.8472, 81.8626

Square

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



56.4615, 66.8472, 74.8927



64.2679, 66.8472, 95.9464



71.1786, 66.8472, 70.7177



62.8102, 66.8472, 53.6879

Rectangle

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



56.4615, 66.8472, 74.8927



59.4575, 66.8472, 91.6992



71.1786, 66.8472, 70.7177



67.7974, 66.8472, 56.6692

Sweetspot

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



56.4634, 66.8499, 74.8942



89.2861, 97.0699, 106.7653



53.4662, 65.8428, 50.4494



18.9823, 20.7116, 22.8030



0.0000, 0.0000, 0.0000



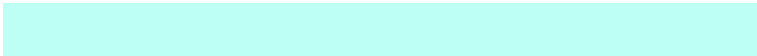
20.3446, 21.4041, 23.3091

Same Dimension

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



56.4634, 66.8499, 74.8942



73.2034, 88.9131, 99.9524



53.1199, 58.6829, 78.3425



14.0261, 15.5362, 17.1726



21.0432, 33.2421, 34.2802



1.4824, 2.3137, 2.5014

Inverse Universe

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



54.2072, 49.7270, 50.9999



69.6092, 61.6207, 61.8767



56.9773, 56.3967, 48.4411



13.7883, 13.7330, 14.6554



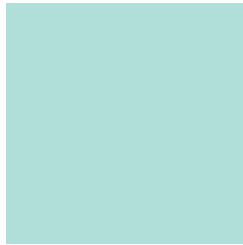
18.0760, 9.2974, 1.7999



1.2790, 0.6549, 0.2620

Previews

White Background



This preview shows how the XYZ color 56.4615, 66.8472, 74.8927 looks on a white background.

Color Contrast Check

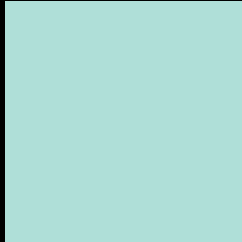
Large Text (above 18pt) WCAG AA × Fail

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 56.4615, 66.8472, 74.8927 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

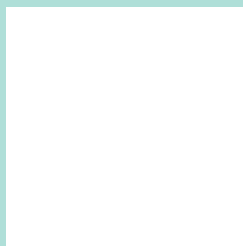
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.4615, 66.8472, 74.8927

Background



This preview shows how black text looks on a background with the XYZ color 56.4615, 66.8472, 74.8927.

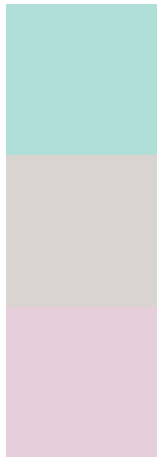


This preview shows how white text looks on a background with the XYZ color 56.4615, 66.8472,

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

56.4615, 66.8472, 74.8927

Protanopia

63.7916, 66.4918, 70.4448

Deuteranopia

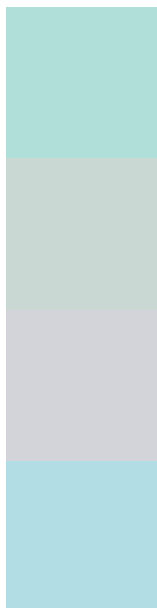
67.4906, 66.0801, 76.2154



Tritanopia

59.4697, 66.8845, 89.8964

Trichromacy



Original Color

56.4615, 66.8472, 74.8927

Protanomaly

60.7967, 66.4218, 71.9037

Deuteranomaly

62.7767, 65.8506, 75.7314

Tritanomaly

58.3594, 66.8350, 83.9533

Monochromacy



Original Color

56.4615, 66.8472, 74.8927

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

58.3171, 64.0274, 70.9129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4615, 66.8472, 74.8927 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(175, 223, 216)` looks like.

```
.text, #text, p{  
    color:rgb(175, 223, 216)  
}
```

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(175, 223, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 223, 216) }
```

Border

The CSS property to change the border of an element to XYZ 56.4615, 66.8472, 74.8927 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(175, 223, 216) }
```


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

```
.border{ border-color:rgb(175, 223, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 223, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 223, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 223, 216);  
box-shadow:4px 4px 4px 4px rgb(175, 223,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4615, 66.8472, 74.8927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 223, 216) }
```

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

```
.background{ background-color: rgb(175,  
223, 216) }
```

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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