

Converting Colors

XYZ(56.5873, 69.0619, 81.3647)

Have a look what the booklet for
XYZ(56.5873, 69.0619, 81.3647)
contains.

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Color

**XYZ(56.7142, 69.2614,
81.6138)**

Conversions

Conversions Part 1

Format	Color
Hex	A3E5E1
RGB	163, 229, 225
RGB Percent	64%, 90%, 88%
CMY	0.3608, 0.1019, 0.1176
CMYK	0.29, 0.00, 0.02, 0.10
HSL	176°, 56%, 77%
HSV	176°, 29%, 90%
XYZ	56.7142, 69.2614, 81.6138
YIQ	208.8100, -38.0520, -15.2360

Conversions

Conversions Part 2

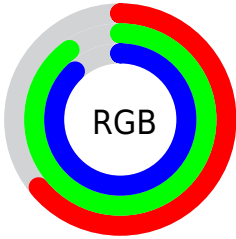
Format	Color
RYB	163, 197, 229
Decimal	10741217
CIELab	86.63, -21.44, -4.72
CIELCh	87, 21.958, 192.419
Yxy	69.2614, 0.2732, 0.3336
Android (android.graphics.Color)	4288931297 (0xFFA3E5E1)
YUV	208.8100, 7.9817, -40.1754
Hunter-Lab	83.2234, -23.9988, 0.1131

Details

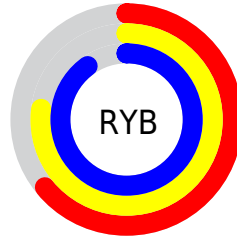
The XYZ color **56.7142, 69.2614, 81.6138** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **52.3878, 45.6444, 42.6111**, and the grayscale version is **60.4496, 63.5976, 69.2578**.

A 20% lighter version of the original color is **83.3252, 93.9556, 108.3513**, and **28.5059, 36.0406, 43.4843** is the 20% darker color. If you saturate the color by 10%, you get **52.2551, 66.9862, 80.4215**, and if you desaturate by 10%, it is **62.0279, 71.9805, 82.8571**.

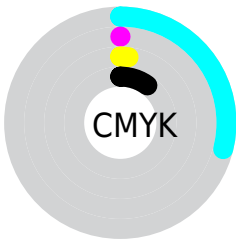
Distribution



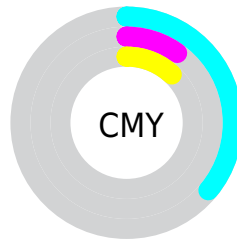
- Red (64%)
- Green (90%)
- Blue (88%)



- Red (64%)
- Yellow (77%)
- Blue (90%)



- Cyan (29%)
- Magenta (0%)
- Yellow (2%)
- Black (10%)



- Cyan (36%)
- Magenta (10%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.7142, 69.2614, 81.6138 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 56.7142, 69.2614, 81.6138 by changing the saturation by 10% instead.


 56.7142, 69.2614,
81.6138


 56.7142, 69.2614,
81.6138


402.4090,
457.9524, 520.2044

 41.0151, 50.9246,
60.5133


 99.1818, 118.1549,
137.4641

 28.5186, 36.1486,
43.4045


 126.6810,
149.4803, 173.0510

 18.8594, 24.5490,
29.8689


158.8443,
185.9041, 214.3037

 11.6721, 15.7414,
19.4879

196.0370,
227.8107, 261.6409

 6.5914, 9.3413,
11.8430

238.6244,
275.5844, 315.4810

 3.2520, 4.9645,
6.5156

286.9720,

 1.2884, 2.2264,

329.6097, 376.2426

3.0872

341.4451,
390.2709, 444.3442

■ 0.1745, 0.7344,
1.1394

■ 0.0000, 0.0000,
0.0000

■ 56.7142, 69.2614,
81.6138

■ 56.7142, 69.2614,
81.6138

■ 52.2551, 66.9862,
80.4215

■ 62.0279, 71.9805,
82.8571

■ 48.5987, 65.1229,
79.2733

■ 68.2325, 75.1569,
84.1487

■ 45.6968, 63.6484,
78.1684

■ 75.3697, 78.8139,
85.4920

■ 43.4936, 62.5338,
77.1042

■ 83.4765, 82.9706,
86.8888

■ 41.9256, 61.7466,
76.0777

■ 83.8183, 83.1241,
87.9304

■ 40.9177, 61.2479,
75.0854

■ 84.0163, 83.2033,
88.9733

■ 40.3561, 60.9791,
74.1219

■ 84.2159, 83.2832,
90.0244

■ 40.3012, 60.9533,
74.0093

■ 84.4171, 83.3637,
91.0839

■ 84.6199, 83.4448,
92.1515

Harmonies

Analogous

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



56.9214, 69.2614, 67.2478



56.7142, 69.2614, 81.6138



58.8562, 69.2614, 95.9802

Triad

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



56.7142, 69.2614, 81.6138



72.6670, 69.2614, 98.0956



68.8365, 69.2614, 51.6923

Complementary

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



56.7142, 69.2614, 81.6138



52.3878, 45.6444, 42.6111

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.



73.3359, 69.2614, 58.0177



56.7142, 69.2614, 81.6138



75.6247, 69.2614, 84.2157

Square

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



56.7142, 69.2614, 81.6138



67.9615, 69.2614, 106.2877



75.8757, 69.2614, 69.5362



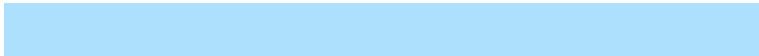
63.7452, 69.2614, 51.1852

Rectangle

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



56.7142, 69.2614, 81.6138



61.3957, 69.2614, 103.1345



75.8757, 69.2614, 69.5362



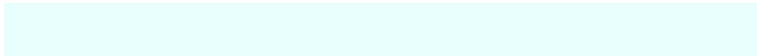
70.4747, 69.2614, 53.1670

Sweetspot

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



56.7162, 69.2642, 81.6154



86.8816, 95.8149, 107.3523



50.6533, 66.9449, 44.9037



18.3334, 20.3737, 22.9253



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.



56.7162, 69.2642, 81.6154



68.6242, 86.4763, 103.1783



49.9963, 54.9401, 82.1013



14.7677, 16.3205, 18.3076



23.0577, 34.8552, 42.3996



1.7154, 2.5803, 3.1939

Inverse Universe

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



52.3878, 45.6444, 42.6111



62.1970, 51.3881, 45.2502



57.6883, 56.8286, 42.5803



14.4123, 14.3821, 15.1054



18.5344, 9.5480, 1.1774



1.3822, 0.7106, 0.1531

Previews

White Background



This preview shows how the XYZ color 56.7142, 69.2614, 81.6138 looks on a white background.

Color Contrast Check

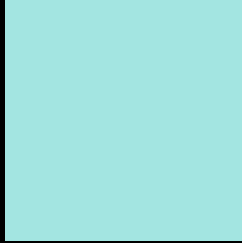
Large Text (above 18pt) WCAG AA × Fail

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 56.7142, 69.2614, 81.6138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

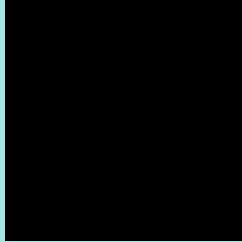
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.7142, 69.2614, 81.6138

Background



This preview shows how black text looks on a background with the XYZ color 56.7142, 69.2614, 81.6138.



This preview shows how white text looks on a background with the XYZ color 56.7142, 69.2614,

81.6138.

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

56.7142, 69.2614, 81.6138

Protanopia

66.0382, 68.6707, 75.4198

Deuteranopia

70.1444, 68.7393, 83.6997



Tritanopia

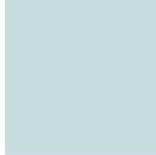
59.4618, 69.1399, 95.7993

Trichromacy



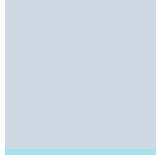
Original Color

56.7142, 69.2614, 81.6138



Protanomaly

62.0647, 68.4958, 77.6600



Deuteranomaly

64.2700, 68.3490, 83.2041



Tritanomaly

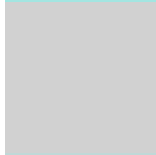
58.4810, 69.1596, 90.3876

Monochromacy



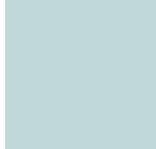
Original Color

56.7142, 69.2614, 81.6138



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

58.5598, 65.2245, 73.7931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.7142, 69.2614, 81.6138 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(163, 229, 225)` looks like.

```
.text, #text, p{  
    color:rgb(163, 229, 225)  
}
```

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(163, 229, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 229, 225) }
```

Border

The CSS property to change the border of an element to XYZ 56.7142, 69.2614, 81.6138 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(163, 229, 225) }
```


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

```
.border{ border-color:rgb(163, 229, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 229, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 229, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 229, 225);  
box-shadow:4px 4px 4px 4px rgb(163, 229,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 56.7142, 69.2614, 81.6138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 229, 225) }
```

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

```
.background{ background-color: rgb(163,  
229, 225) }
```

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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