

Converting Colors

XYZ(56.2426, 70.8034, 78.4184)

Have a look what the booklet for
XYZ(56.2426, 70.8034, 78.4184)
contains.

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Color

**XYZ(56.1577, 70.7142,
78.3995)**

Conversions

Conversions Part 1

Format	Color
Hex	9EE9DC
RGB	158, 233, 220
RGB Percent	62%, 91%, 86%
CMY	0.3804, 0.0863, 0.1372
CMYK	0.32, 0.00, 0.06, 0.09
HSL	170°, 63%, 77%
HSV	170°, 32%, 91%
XYZ	56.1577, 70.7142, 78.3995
YIQ	209.0930, -40.5270, -19.9430

Conversions

Conversions Part 2

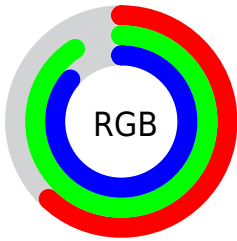
Format	Color
RYB	158, 199, 233
Decimal	10414556
CIELab	87.35, -25.90, -1.08
CIELCh	87, 25.920, 182.380
Yxy	70.7142, 0.2736, 0.3445
Android (android.graphics.Color)	4288604636 (0xFF9EE9DC)
YUV	209.0930, 5.3772, -44.8086
Hunter-Lab	84.0917, -27.9556, 3.5876

Details

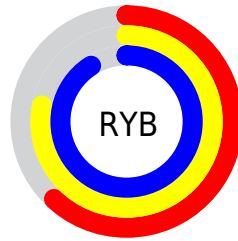
The XYZ color **56.1577, 70.7142, 78.3995** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.1842, 44.7195, 44.3594**, and the grayscale version is **60.6516, 63.8102, 69.4893**.

A 20% lighter version of the original color is **81.8343, 93.1871, 108.2815**, and **28.1072, 37.0445, 41.2662** is the 20% darker color. If you saturate the color by 10%, you get **51.4738, 68.3624, 75.4224**, and if you desaturate by 10%, it is **61.7275, 73.5248, 81.4886**.

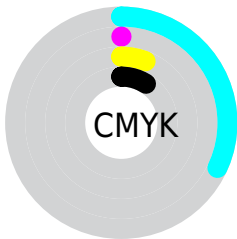
Distribution



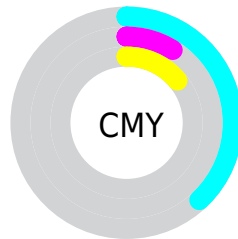
- Red (62%)
- Green (91%)
- Blue (86%)



- Red (62%)
- Yellow (78%)
- Blue (91%)



- Cyan (32%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)




- Cyan (38%)
- Magenta (9%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.1577, 70.7142, 78.3995 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 56.1577, 70.7142, 78.3995 by changing the saturation by 10% instead.


 56.1577, 70.7142,
78.3995


 56.1577, 70.7142,
78.3995

400.3509,
463.0537, 509.0863

 40.5669, 52.1090,
57.8838


 98.3736, 120.2267,
132.9041

 28.1670, 37.0920,
41.3012

 125.7294,
151.9028, 167.7302

 18.5927, 25.2787,
28.2330


157.7375,
188.7046, 208.1634

 11.4786, 16.2848,
18.2608

194.7633,
231.0166, 254.6223

 6.4594, 9.7259,
10.9660

237.1722,
279.2231, 307.5256

 3.1697, 5.2176,
5.9301

285.3296,

 1.2441, 2.3755,

333.7085, 367.2916

2.7345

339.6007,
394.8573, 434.3390

■ 0.1408, 0.8132,
0.9607

■ 0.0000, 0.0000,
0.0000

■ 56.1577, 70.7142,
78.3995

■ 56.1577, 70.7142,
78.3995

■ 51.4738, 68.3624,
75.4224

■ 61.7275, 73.5248,
81.4886

■ 47.6203, 66.4355,
72.5497


■ 68.2226, 76.8090,
84.6874


■ 44.5451, 64.9083,
69.7800


■ 75.6872, 80.5916,
88.0000


■ 42.1873, 63.7495,
67.1099

■ 84.1611, 84.8929,
91.4287

 40.4771, 62.9230,
64.5357

 86.1379, 85.8434,
94.6227

 39.3304, 62.3856,
62.0529

 86.7455, 86.0864,
97.8224

 38.7222, 62.1131,
60.1721

 87.3666, 86.3349,
101.0929

 88.0012, 86.5887,
104.4347

 88.4301, 86.7603,
106.6934

Harmonies

Analogous

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



57.3430, 70.7142, 62.4451



56.1577, 70.7142, 78.3995



57.7824, 70.7142, 96.4282

Triad

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



56.1577, 70.7142, 78.3995



73.6926, 70.7142, 109.0009



72.7990, 70.7142, 50.8964

Complementary

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



56.1577, 70.7142, 78.3995



53.1842, 44.7195, 44.3594

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.



77.6148, 70.7142, 60.3668



56.1577, 70.7142, 78.3995



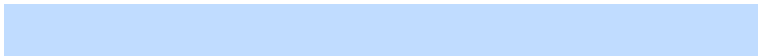
78.1523, 70.7142, 93.6474

Square

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



56.1577, 70.7142, 78.3995



67.7001, 70.7142, 115.6833



79.6287, 70.7142, 75.6088



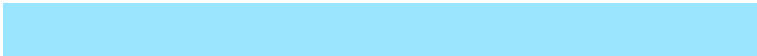
66.7257, 70.7142, 48.0669

Rectangle

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



56.1577, 70.7142, 78.3995



60.3013, 70.7142, 106.7944



79.6287, 70.7142, 75.6088



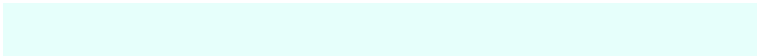
74.6308, 70.7142, 53.3301

Sweetspot

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



56.1597, 70.7171, 78.4011



85.5792, 95.1989, 104.7841



52.2710, 69.4917, 43.0073



18.0536, 20.2429, 22.3067



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.



56.1597, 70.7171, 78.4011



64.7806, 84.7020, 93.6381



51.6725, 58.8784, 85.7353



15.3991, 17.0744, 18.7842



22.0119, 35.2592, 34.3573



1.7580, 2.7805, 2.8532

Inverse Universe

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



53.1842, 44.7195, 44.3594



60.5757, 47.8952, 45.4813



56.4549, 53.1480, 39.6321



15.1720, 15.0967, 16.1913



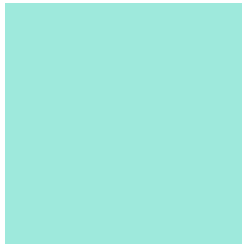
19.3202, 9.9308, 2.2218



1.5481, 0.7922, 0.3379

Previews

White Background



This preview shows how the XYZ color 56.1577, 70.7142, 78.3995 looks on a white background.

Color Contrast Check

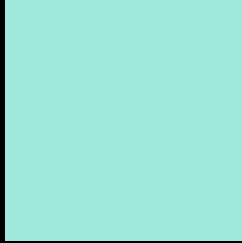
Large Text (above 18pt) WCAG AA × Fail

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 56.1577, 70.7142, 78.3995 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

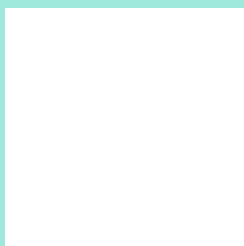
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 56.1577, 70.7142, 78.3995

Background



This preview shows how black text looks on a background with the XYZ color 56.1577, 70.7142, 78.3995.

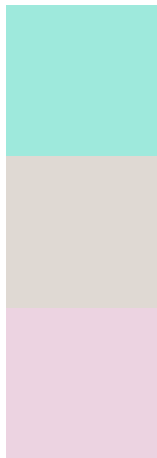


This preview shows how white text looks on a background with the XYZ color 56.1577, 70.7142,

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

56.1577, 70.7142, 78.3995

Protanopia

67.0022, 70.0168, 71.6112

Deuteranopia

71.4769, 69.8576, 80.9508



Tritanopia

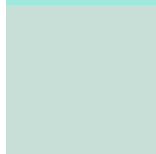
60.1177, 70.6465, 98.4633

Trichromacy



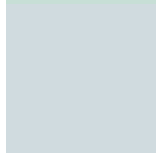
Original Color

56.1577, 70.7142, 78.3995



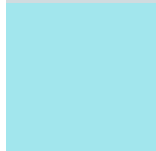
Protanomaly

62.0785, 69.7725, 73.8139



Deuteranomaly

64.6632, 69.4006, 79.7996



Tritanomaly

58.4832, 70.3894, 90.6249

Monochromacy



Original Color

56.1577, 70.7142, 78.3995



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

58.3168, 65.8941, 72.5960

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.1577, 70.7142, 78.3995 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(158, 233, 220)` looks like.

```
.text, #text, p{  
    color:rgb(158, 233, 220)  
}
```

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(158, 233, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 233, 220) }
```

Border

The CSS property to change the border of an element to XYZ 56.1577, 70.7142, 78.3995 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(158, 233, 220) }
```


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

```
.border{ border-color:rgb(158, 233, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 233, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 233, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 233, 220);  
box-shadow:4px 4px 4px 4px rgb(158, 233,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 56.1577, 70.7142, 78.3995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 233, 220) }
```

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

```
.background{ background-color: rgb(158,  
233, 220) }
```

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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