

Converting Colors

XYZ(56.4949, 69.2480, 64.1283)

Have a look what the booklet for
XYZ(56.4949, 69.2480, 64.1283)
contains.

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Color

**XYZ(56.4123, 69.0753,
64.3925)**

Conversions

Conversions Part 1

Format	Color
Hex	B2E4C7
RGB	178, 228, 199
RGB Percent	70%, 89%, 78%
CMY	0.3020, 0.1059, 0.2196
CMYK	0.22, 0.00, 0.13, 0.11
HSL	145°, 48%, 80%
HSV	145°, 22%, 89%
XYZ	56.4123, 69.0753, 64.3925
YIQ	209.7440, -20.4910, -19.6190

Conversions

Conversions Part 2

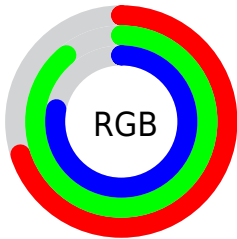
Format	Color
RYB	178, 213, 228
Decimal	11723975
CIELab	86.54, -21.80, 8.92
CIELCh	87, 23.550, 157.744
Yxy	69.0753, 0.2971, 0.3638
Android (android.graphics.Color)	4289914055 (0xFFB2E4C7)
YUV	209.7440, -5.2968, -27.8395
Hunter-Lab	83.1116, -24.2876, 12.2419

Details

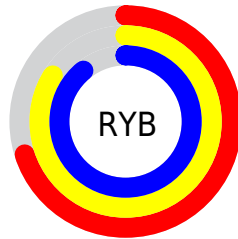
The XYZ color **56.4123, 69.0753, 64.3925** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **59.1802, 52.8414, 66.1147**, and the grayscale version is **61.1355, 64.3193, 70.0437**.

A 20% lighter version of the original color is **87.7417, 96.2324, 108.5580**, and **28.1755, 35.8345, 32.2198** is the 20% darker color. If you saturate the color by 10%, you get **50.1402, 66.0136, 56.4295**, and if you desaturate by 10%, it is **63.6912, 72.6444, 73.1022**.

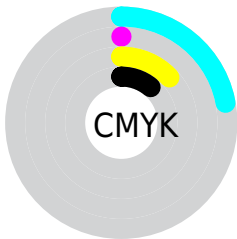
Distribution



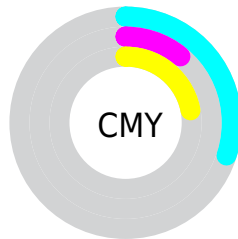
- Red (70%)
- Green (89%)
- Blue (78%)



- Red (70%)
- Yellow (84%)
- Blue (89%)



- Cyan (22%)
- Magenta (0%)
- Yellow (13%)
- Black (11%)





- Cyan (30%)
- Magenta (11%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.4123, 69.0753, 64.3925 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 56.4123, 69.0753, 64.3925 by changing the saturation by 10% instead.


 56.4123, 69.0753,
64.3925

 56.4123, 69.0753,
64.3925


401.2933,
457.2965, 458.8520

 40.7719, 50.7730,
46.5204


 98.7435, 117.8891,
112.7809

 28.3278, 36.0280,
32.3051


126.1649,
149.1695, 144.1343

 18.7146, 24.4558,
21.3279

158.2441,
185.5446, 180.8186

 11.5670, 15.6721,
13.1703

195.3464,
227.3990, 223.2523

 6.5197, 9.2924,
7.4138

237.8371,
275.1170, 271.8540

 3.2072, 4.9324,
3.6399


286.0816,


 1.2643, 2.2077,


329.0830, 327.0421

1.4299


340.4452,
389.6813, 389.2352


 0.1562, 0.7242,
0.1649


 0.0000, 0.0000,
0.0000


 56.4123, 69.0753,
64.3925


 56.4123, 69.0753,
64.3925


 50.1402, 66.0136,
56.4295


 63.6912, 72.6444,
73.1022

 44.8228, 63.4271,
49.1887

 72.0144, 76.7342,
82.5731

 40.4120, 61.2934,
42.6510

 81.4245, 81.3681,
92.8248

 36.8528, 59.5845,
36.7947

 86.5397, 83.7714,
103.6216

■ 34.0842, 58.2695,
31.5968

■ 87.0347, 83.9694,
106.2282

■ 32.0363, 57.3126,
27.0331

■ 30.6255, 56.6714,
23.0773

■ 29.8448, 56.3295,
20.3074

Harmonies

Analogous

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



59.4371, 69.0753, 53.8601



56.4123, 69.0753, 64.3925



55.7945, 69.0753, 79.3344

Triad

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



56.4123, 69.0753, 64.3925



67.0783, 69.0753, 109.0968



74.3072, 69.0753, 58.2724

Complementary

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



56.4123, 69.0753, 64.3925



59.1802, 52.8414, 66.1147

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.



76.6116, 69.0753, 71.2335



56.4123, 69.0753, 64.3925



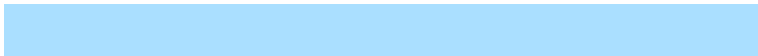
72.2900, 69.0753, 101.5692

Square

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



56.4123, 69.0753, 64.3925



61.7589, 69.0753, 106.5982



75.8536, 69.0753, 87.1786



69.7095, 69.0753, 50.6829

Rectangle

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



56.4123, 69.0753, 64.3925



56.7970, 69.0753, 90.0886



75.8536, 69.0753, 87.1786



75.3870, 69.0753, 62.0692

Sweetspot

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



56.4142, 69.0782, 64.3940



87.1627, 96.1214, 100.0629



61.5604, 71.9937, 52.7720



18.5177, 20.5058, 21.2595



0.0000, 0.0000, 0.0000



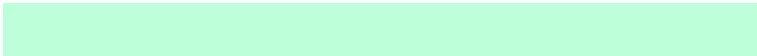
20.3446, 21.4041, 23.3091

Same Dimension

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



56.4142, 69.0782, 64.3940



69.1371, 87.2866, 78.5395



59.5377, 70.3276, 80.8423



14.4392, 16.1891, 16.5775



17.2889, 32.5477, 12.0216



1.3231, 2.4234, 1.1280

Inverse Universe

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



59.1802, 52.8414, 66.1147



73.2597, 63.0809, 81.1002



56.3781, 51.7206, 51.3590



14.7257, 14.5075, 16.7562



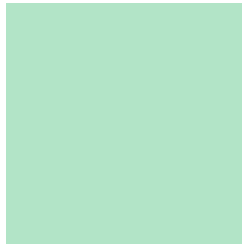
20.9501, 10.5143, 13.8982



1.5943, 0.7954, 1.2699

Previews

White Background



This preview shows how the XYZ color 56.4123, 69.0753, 64.3925 looks on a white background.

Color Contrast Check

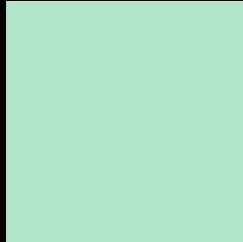
Large Text (above 18pt) WCAG AA × Fail

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 56.4123, 69.0753, 64.3925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

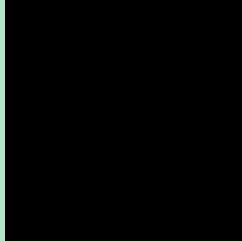
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.4123, 69.0753, 64.3925

Background



This preview shows how black text looks on a background with the XYZ color 56.4123, 69.0753, 64.3925.



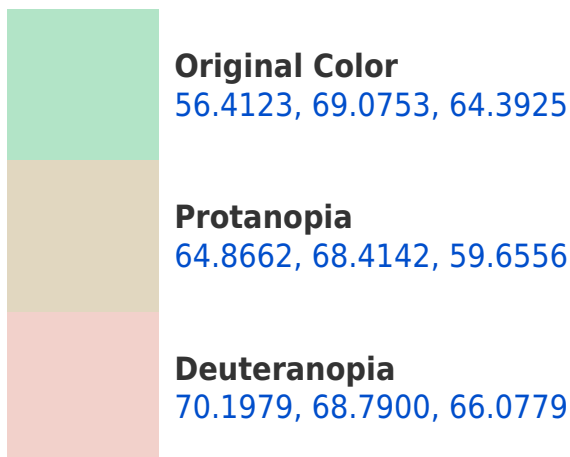
This preview shows how white text looks on a background with the XYZ color 56.4123, 69.0753,

64.3925.

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

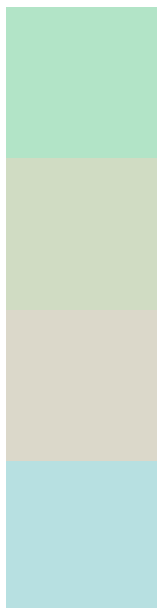




Tritanopia

62.0992, 68.9729, 92.4782

Trichromacy



Original Color

56.4123, 69.0753, 64.3925

Protanomaly

61.4560, 68.5364, 61.6195

Deuteranomaly

64.4300, 68.4361, 65.6908

Tritanomaly

59.7747, 68.8148, 81.3663

Monochromacy



Original Color

56.4123, 69.0753, 64.3925

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

59.2421, 66.0877, 68.0263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.4123, 69.0753, 64.3925 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(178, 228, 199)` looks like.

```
.text, #text, p{  
    color:rgb(178, 228, 199)  
}
```

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(178, 228, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 228, 199) }
```

Border

The CSS property to change the border of an element to XYZ 56.4123, 69.0753, 64.3925 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(178, 228, 199) }
```


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

```
.border{ border-color:rgb(178, 228, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 228, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 228, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 228, 199); box-shadow:4px 4px 4px 4px rgb(178, 228, 199) }
```

Background

The CSS property to change the background color of an element to XYZ 56.4123, 69.0753, 64.3925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 228, 199) }
```

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

```
.background{ background-color: rgb(178,  
228, 199) }
```

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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