

Converting Colors

XYZ(56.2800, 63.8581, 78.2001)

Have a look what the booklet for
XYZ(56.2800, 63.8581, 78.2001)
contains.

XYZ(56.3311, 63.9694, 78.4856)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.3311, 63.9694,
78.4856)**

Conversions

Conversions Part 1

Format	Color
Hex	B3D8DE
RGB	179, 216, 222
RGB Percent	70%, 85%, 87%
CMY	0.2980, 0.1529, 0.1294
CMYK	0.19, 0.03, 0.00, 0.13
HSL	188°, 39%, 79%
HSV	188°, 19%, 87%
XYZ	56.3311, 63.9694, 78.4856
YIQ	205.6210, -23.9780, -5.9780

Conversions

Conversions Part 2

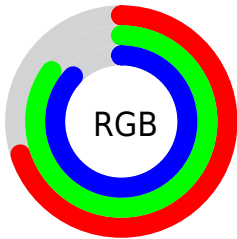
Format	Color
R _{YB}	179, 199, 222
Decimal	11786462
CIE Lab	83.95, -10.83, -7.00
CIE LCh	84, 12.892, 212.873
Yxy	63.9694, 0.2834, 0.3218
Android (android.graphics.Color)	4289976542 (0xFFB3D8DE)
YUV	205.6210, 8.0748, -23.3466
Hunter-Lab	79.9809, -14.2477, -2.1949

Details

The XYZ color **56.3311, 63.9694, 78.4856** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.6104, 53.4822, 50.0412**, and the grayscale version is **58.3866, 61.4272, 66.8942**.

A 20% lighter version of the original color is **88.0709, 96.4022, 108.5734**, and **28.1774, 32.6397, 41.3742** is the 20% darker color. If you saturate the color by 10%, you get **50.8223, 59.9646, 78.0040**, and if you desaturate by 10%, it is **62.6847, 68.4352, 79.0137**.

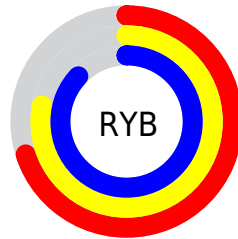
Distribution



Red (70%)

Green (85%)

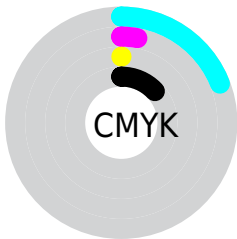
Blue (87%)



Red (70%)

Yellow (78%)

Blue (87%)

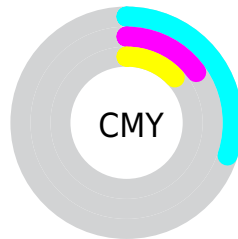


Cyan (19%)

Magenta (3%)

Yellow (0%)

Black (13%)



Cyan (30%)

Magenta (15%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 56.3311, 63.9694, 78.4856 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 56.3311, 63.9694, 78.4856 by changing the saturation by 10% instead.

■ 56.3311, 63.9694,
78.4856

■ 56.3311, 63.9694,
78.4856

400.9929,
439.0791, 509.3860

■ 40.7065, 46.6259,
57.9542

■ 98.6255, 110.5669,
133.0265

■ 28.2765, 32.7400,
41.3573

126.0260,
140.5896, 167.8731

■ 18.6757, 21.9273,
28.2766

158.0826,
175.6076, 208.3285

■ 11.5388, 13.8035,
18.2934

195.1605,
216.0051, 254.8111

■ 6.5004, 7.9841,
10.9892

237.6251,
262.1666, 307.7397

■ 3.1952, 4.0848,
5.9455

285.8418,

■ 1.2578, 1.7211,

314.4766, 367.5327

2.7437

340.1760,
373.3193, 434.6086

■ 0.1513, 0.4373,
0.9653

■ 0.0000, 0.0000,
0.0000

■ 56.3311, 63.9694,
78.4856

■ 56.3311, 63.9694,
78.4856

■ 50.8223, 59.9646,
78.0040

■ 62.6847, 68.4352,
79.0137

■ 46.1130, 56.3924,
77.5627

■ 69.9142, 73.3732,
79.5858

■ 42.1624, 53.2333,
77.1611

■ 78.0564, 78.8041,
80.2050

■ 38.9237, 50.4630,
76.7971

■ 82.2756, 82.2352,
80.6449

■ 36.3448, 48.0545,
76.4681

■ 83.1370, 83.9580,
80.9320

■ 34.3662, 45.9771,
76.1714

■ 84.0137, 85.7114,
81.2242

■ 32.9179, 44.1945,
75.9037

■ 84.9058, 87.4957,
81.5216

■ 31.8846, 42.6472,
75.6595

■ 85.8135, 89.3109,
81.8241

■ 31.8244, 42.5528,
75.6445

■ 86.7367, 91.1573,
82.1319

Harmonies

Analogous

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



55.5110, 63.9694, 70.4383



56.3311, 63.9694, 78.4856



58.3461, 63.9694, 84.5108

Triad

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



56.3311, 63.9694, 78.4856



65.7893, 63.9694, 77.0251



60.5278, 63.9694, 55.1772

Complementary

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



56.3311, 63.9694, 78.4856



55.6104, 53.4822, 50.0412

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.



63.3238, 63.9694, 56.6453



56.3311, 63.9694, 78.4856



66.4168, 63.9694, 68.8712

Square

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



56.3311, 63.9694, 78.4856



63.8120, 63.9694, 83.6226



65.5013, 63.9694, 61.5070



57.8863, 63.9694, 57.3308

Rectangle

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



56.3311, 63.9694, 78.4856



60.1263, 63.9694, 86.3426



65.5013, 63.9694, 61.5070



61.4807, 63.9694, 55.2638

Sweetspot

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



56.3330, 63.9720, 78.4870



88.9664, 95.8589, 108.4213



53.4417, 65.3189, 55.5438



18.9065, 20.4244, 23.1958



0.0000, 0.0000, 0.0000



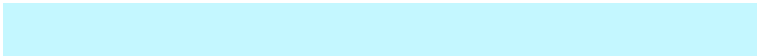
20.3446, 21.4041, 23.3091

Same Dimension

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



56.3330, 63.9720, 78.4870



74.1119, 85.4144, 107.1883



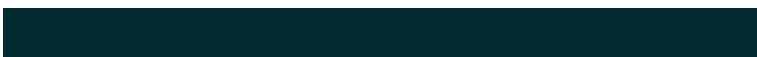
51.2393, 53.7846, 76.7891



13.9451, 15.2293, 17.5922



18.9644, 25.3983, 44.9512



1.3599, 1.8514, 3.1309

Inverse Universe

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



58.6405, 52.7291, 72.0558



77.8197, 67.6022, 96.7973



60.3895, 63.0405, 51.6342



14.2085, 13.9010, 16.8681



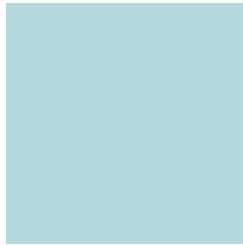
23.5125, 11.4720, 30.4284



1.6527, 0.8044, 2.2299

Previews

White Background



This preview shows how the XYZ color 56.3311, 63.9694, 78.4856 looks on a white background.

Color Contrast Check

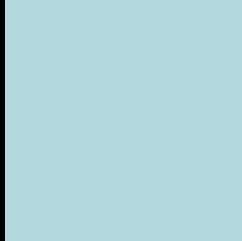
Large Text (above 18pt) WCAG AA × Fail

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 56.3311, 63.9694, 78.4856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

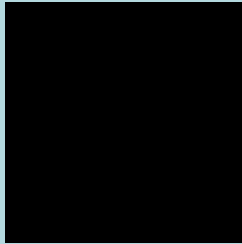
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.3311, 63.9694, 78.4856

Background



This preview shows how black text looks on a background with the XYZ color 56.3311, 63.9694, 78.4856.

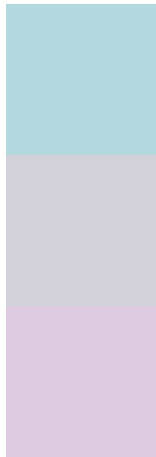


This preview shows how white text looks on a background with the XYZ color 56.3311, 63.9694,

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

56.3311, 63.9694, 78.4856

Protanopia

61.6586, 63.8231, 74.7150

Deuteranopia

65.0707, 63.6777, 80.0956



Tritanopia

57.6681, 63.7431, 85.6081

Trichromacy



Original Color

56.3311, 63.9694, 78.4856

Protanomaly

59.6336, 63.8451, 76.1981

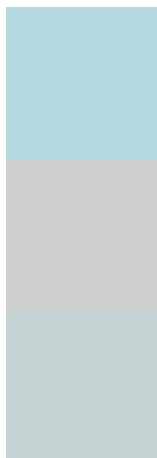
Deuteranomaly

61.4640, 63.6154, 79.5605

Tritanomaly

57.1264, 63.9056, 82.7229

Monochromacy



Original Color

56.3311, 63.9694, 78.4856

Achromatopsia

58.6655, 61.7207, 67.2138

Achromatomaly

57.6952, 62.5824, 71.3261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.3311, 63.9694, 78.4856 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(179, 216, 222)` looks like.

```
.text, #text, p{  
    color:rgb(179, 216, 222)  
}
```

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(179, 216, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 216, 222) }
```

Border

The CSS property to change the border of an element to XYZ 56.3311, 63.9694, 78.4856 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(179, 216, 222) }
```


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

```
.border{ border-color:rgb(179, 216, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 216, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 216, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 216, 222); box-shadow:4px 4px 4px 4px rgb(179, 216, 222) }
```

Background

The CSS property to change the background color of an element to XYZ 56.3311, 63.9694, 78.4856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 216, 222) }
```

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

```
.background{ background-color: rgb(179,  
216, 222) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor