

Converting Colors

XYZ(49.4143, 56.6813, 59.4318)

Have a look what the booklet for
XYZ(49.4143, 56.6813, 59.4318)
contains.

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Color

**XYZ(49.4734, 56.7878,
59.3925)**

Conversions

Conversions Part 1

Format	Color
Hex	B0CDC2
RGB	176, 205, 194
RGB Percent	69%, 80%, 76%
CMY	0.3098, 0.1961, 0.2392
CMYK	0.14, 0.00, 0.05, 0.20
HSL	157°, 22%, 75%
HSV	157°, 14%, 80%
XYZ	49.4734, 56.7878, 59.3925
YIQ	195.0750, -13.7530, -9.5690

Conversions

Conversions Part 2

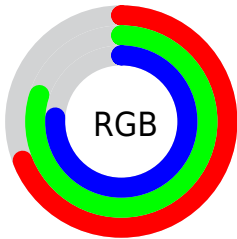
Format	Color
R_{YB}	176, 194, 205
Decimal	11587010
CIE _{Lab}	80.06, -11.85, 2.21
CIE _{LCh}	80, 12.051, 169.444
Yxy	56.7878, 0.2987, 0.3428
Android (android.graphics.Color)	4289777090 (0xFFB0CDC2)
YUV	195.0750, -0.5300, -16.7288
Hunter-Lab	75.3577, -14.6881, 6.0215

Details

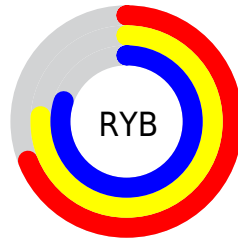
The XYZ color **49.4734, 56.7878, 59.3925** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **49.6738, 47.6191, 53.5896**, and the grayscale version is **51.9267, 54.6309, 59.4931**.

A 20% lighter version of the original color is **86.2940, 95.5779, 104.3427**, and **23.9686, 28.2376, 28.9981** is the 20% darker color. If you saturate the color by 10%, you get **44.3331, 54.2377, 54.7117**, and if you desaturate by 10%, it is **55.3626, 59.7218, 64.3494**.

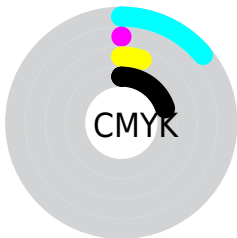
Distribution



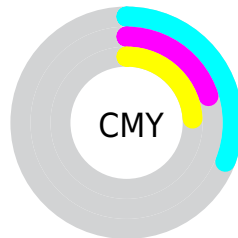
- Red (69%)
- Green (80%)
- Blue (76%)



- Red (69%)
- Yellow (76%)
- Blue (80%)



- Cyan (14%)
- Magenta (0%)
- Yellow (5%)
- Black (20%)





- Cyan (31%)
- Magenta (20%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4734, 56.7878, 59.3925 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 49.4734, 56.7878, 59.3925 by changing the saturation by 10% instead.


 49.4734, 56.7878,
59.3925

 49.4734, 56.7878,
59.3925


375.0891,
412.6537, 440.0972

 35.2112, 40.8349,
42.5071


 88.5907, 100.1555,
105.4826

 23.9929, 28.1901,
29.1700


114.1765,
128.3391, 135.5244

 15.4531, 18.4690,
18.9628


144.2675,
161.3683, 170.7887

 9.2264, 11.2872,
11.4669

179.2292,
199.6277, 211.6941

 4.9474, 6.2604,
6.2637

219.4268,
243.5015, 258.6591

 2.2509, 3.0040,
2.9347

265.2258,

 0.7694, 1.1338,

293.3742, 312.1023

1.0614

316.9915,
349.6301, 372.4421

■ 0.0000, 0.0067,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.4734, 56.7878,
59.3925

■ 49.4734, 56.7878,
59.3925

■ 44.3331, 54.2377,
54.7117

■ 55.3626, 59.7218,
64.3494

■ 39.9050, 52.0481,
50.2980

■ 62.0260, 63.0479,
69.5836

■ 36.1563, 50.2035,
46.1476

■ 69.4934, 66.7831,
75.1011

■ 33.0496, 48.6849,
42.2547

■ 76.6782, 70.3671,
80.8545

■ 30.5440, 47.4712,
38.6138

■ 77.7644, 70.8016,
86.5747

■ 28.5935, 46.5388,
35.2185

■ 78.8997, 71.2557,
92.5529

■ 27.1449, 45.8604,
32.0623

■ 80.0846, 71.7297,
98.7922

■ 26.1339, 45.4029,
29.1379

■ 81.1224, 72.1448,
104.2575

■ 25.6782, 45.2031,
27.5292

Harmonies

Analogous

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



50.4731, 56.7878, 53.4653



49.4734, 56.7878, 59.3925



49.6520, 56.7878, 66.4349

Triad

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



49.4734, 56.7878, 59.3925



55.5592, 56.7878, 75.4526



57.0976, 56.7878, 52.1341

Complementary

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



49.4734, 56.7878, 59.3925



49.6738, 47.6191, 53.5896

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.



58.5421, 56.7878, 57.4472



49.4734, 56.7878, 59.3925



57.6355, 56.7878, 71.0296

Square

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



49.4734, 56.7878, 59.3925



53.1163, 56.7878, 76.0725



58.7419, 56.7878, 64.3379



54.8431, 56.7878, 49.4902

Rectangle

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



49.4734, 56.7878, 59.3925



50.4169, 56.7878, 70.8097



58.7419, 56.7878, 64.3379



57.6969, 56.7878, 53.6476

Sweetspot

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



49.4750, 56.7902, 59.3938



90.7796, 97.8698, 105.4807



50.1917, 57.3793, 49.5050



19.2637, 20.8650, 22.4414



0.0000, 0.0000, 0.0000



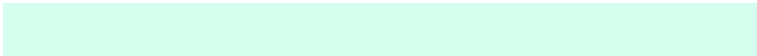
20.3446, 21.4041, 23.3091

Same Dimension

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



49.4750, 56.7902, 59.3938



78.3247, 91.6707, 94.8824



49.9565, 55.7016, 65.8790



11.3558, 12.6521, 13.4311



16.0324, 28.1583, 17.3874



0.8633, 1.4671, 1.0877

Inverse Universe

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



49.6738, 47.6191, 53.5896



78.7130, 73.7789, 83.5608



49.2121, 48.5092, 47.8445



11.3855, 11.2829, 12.5645



16.5674, 8.4376, 5.4407



0.8914, 0.4499, 0.4738

Previews

White Background



This preview shows how the XYZ color 49.4734, 56.7878, 59.3925 looks on a white background.

Color Contrast Check

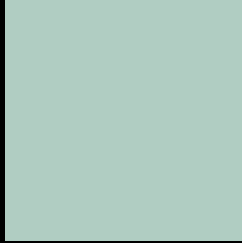
Large Text (above 18pt) WCAG AA × Fail

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 49.4734, 56.7878, 59.3925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

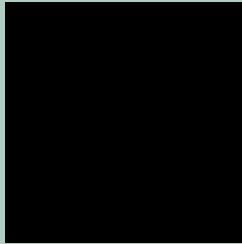
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

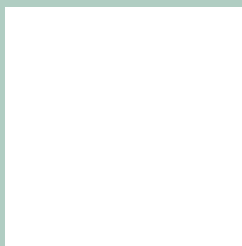
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.4734, 56.7878, 59.3925

Background



This preview shows how black text looks on a background with the XYZ color 49.4734, 56.7878, 59.3925.

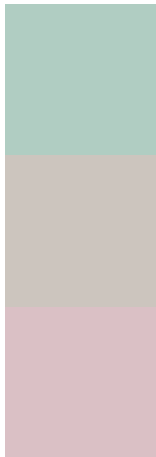


This preview shows how white text looks on a background with the XYZ color 49.4734, 56.7878,

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

49.4734, 56.7878, 59.3925

Protanopia

54.1624, 56.4876, 56.7637

Deuteranopia

57.8411, 56.6359, 60.7066



Tritanopia

52.3639, 56.5385, 74.4828

Trichromacy



Original Color

49.4734, 56.7878, 59.3925

Protanomaly

52.3064, 56.5395, 57.4466

Deuteranomaly

54.5587, 56.6145, 60.2767

Tritanomaly

51.2196, 56.4282, 68.5138

Monochromacy



Original Color

49.4734, 56.7878, 59.3925

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

51.0128, 55.4783, 59.6495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4734, 56.7878, 59.3925 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(176, 205, 194) looks like.

```
.text, #text, p{  
    color:rgb(176, 205, 194)  
}
```

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(176, 205, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 205, 194) }
```

Border

The CSS property to change the border of an element to XYZ 49.4734, 56.7878, 59.3925 is called "border". The border property can be set on classes, ids or directly on the HTML element.

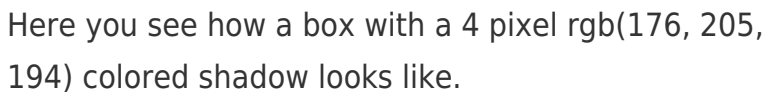
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 205, 194) }
```


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

```
.border{ border-color:rgb(176, 205, 194) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 205, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 205, 194); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 205, 194); box-shadow:4px 4px 4px 4px rgb(176, 205, 194) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4734, 56.7878, 59.3925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 205, 194) }
```

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

```
.background{ background-color: rgb(176,  
205, 194) }
```

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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