

Converting Colors

XYZ(44.7966, 56.4112, 49.4342)

Have a look what the booklet for
XYZ(44.7966, 56.4112, 49.4342)
contains.

XYZ(44.7877, 56.3959, 49.5992)	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(44.7877, 56.3959,
49.5992)**

Conversions

Conversions Part 1

Format	Color
Hex	9DD2B0
RGB	157, 210, 176
RGB Percent	62%, 82%, 69%
CMY	0.3843, 0.1765, 0.3098
CMYK	0.25, 0.00, 0.16, 0.18
HSL	142°, 37%, 72%
HSV	142°, 25%, 82%
XYZ	44.7877, 56.3959, 49.5992
YIQ	190.2770, -20.6740, -21.8100

Conversions

Conversions Part 2

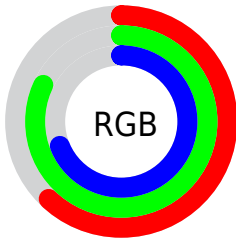
Format	Color
RYB	157, 196, 210
Decimal	10343088
CIELab	79.84, -24.01, 11.35
CIElCh	80, 26.561, 154.698
Yxy	56.3959, 0.2970, 0.3740
Android (android.graphics.Color)	4288533168 (0xFF9DD2B0)
YUV	190.2770, -7.0386, -29.1839
Hunter-Lab	75.0972, -24.9634, 13.4090

Details

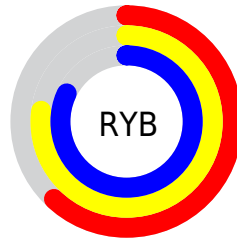
The XYZ color **44.7877, 56.3959, 49.5992** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **48.0413, 41.5785, 54.7861**, and the grayscale version is **49.1523, 51.7120, 56.3144**.

A 20% lighter version of the original color is **77.4769, 91.3432, 89.8915**, and **21.0054, 27.8158, 23.0008** is the 20% darker color. If you saturate the color by 10%, you get **39.7699, 53.9572, 42.7483**, and if you desaturate by 10%, it is **50.6451, 59.2553, 57.1824**.

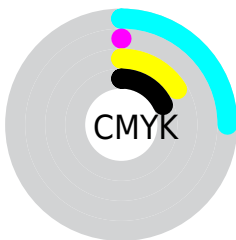
Distribution



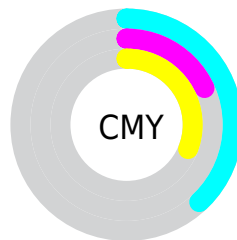
- Red (62%)
- Green (82%)
- Blue (69%)



- Red (62%)
- Yellow (77%)
- Blue (82%)



- Cyan (25%)
- Magenta (0%)
- Yellow (16%)
- Black (18%)




- Cyan (38%)
- Magenta (18%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.7877, 56.3959, 49.5992 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 44.7877, 56.3959, 49.5992 by changing the saturation by 10% instead.


 44.7877, 56.3959,
49.5992


 44.7877, 56.3959,
49.5992


356.7112,
411.1818, 401.7866

 31.4908, 40.5204,
34.7261


 81.6408, 99.5832,
90.9709

 21.1265, 27.9445,
23.1701


 105.9277,
127.6638, 118.3066

 13.3295, 18.2839,
14.5127

134.6086,
160.5816, 150.6336

 7.7344, 11.1540,
8.3353

168.0489,
198.7209, 188.3704

 3.9758, 6.1705,
4.2194

206.6140,
242.4662, 231.9356

 1.6885, 2.9490,
1.7465

250.6691,

 0.4490, 1.1052,

292.2019, 281.7476

0.3923

300.5798,
348.3122, 338.2251

■ 0.0000, 0.0000,
0.0000

■ 44.7877, 56.3959,
49.5992

■ 44.7877, 56.3959,
49.5992

■ 39.7699, 53.9572,
42.7483

■ 50.6451, 59.2553,
57.1824

■ 35.5474, 51.9120,
36.6041

■ 57.3746, 62.5470,
65.5152

■ 32.0783, 50.2408,
31.1448

■ 65.0126, 66.2910,
74.6188

■ 29.3151, 48.9197,
26.3462

■ 73.5920, 70.5037,
84.5125

■ 27.2048, 47.9218,
22.1826

■ 80.5203, 73.8484,
95.0923

■ 25.6859, 47.2159,
18.6263

■ 82.3377, 74.5754,
104.6626

■ 24.6842, 46.7644,
15.6474

■ 24.3273, 46.6072,
14.4211

Harmonies

Analogous

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



47.9296, 56.3959, 40.1354



44.7877, 56.3959, 49.5992



43.9439, 56.3959, 63.8629

Triad

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



44.7877, 56.3959, 49.5992



54.4539, 56.3959, 95.8987



62.5608, 56.3959, 46.0443

Complementary

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



44.7877, 56.3959, 49.5992



48.0413, 41.5785, 54.7861

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.



64.5820, 56.3959, 59.0120



44.7877, 56.3959, 49.5992



59.7065, 56.3959, 89.1108

Square

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



44.7877, 56.3959, 49.5992



49.3039, 56.3959, 92.2559



63.5043, 56.3959, 74.9508



58.1442, 56.3959, 38.3363

Rectangle

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



44.7877, 56.3959, 49.5992



44.7468, 56.3959, 74.6281



63.5043, 56.3959, 74.9508



63.5559, 56.3959, 49.8450

Sweetspot

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



44.7892, 56.3983, 49.6005



85.9029, 95.5197, 97.8454



50.7337, 59.6650, 40.7415



18.0406, 20.2758, 20.5166



0.0000, 0.0000, 0.0000



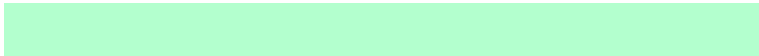
20.3446, 21.4041, 23.3091

Same Dimension

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



44.7892, 56.3983, 49.6005



65.3663, 85.4967, 71.4010



47.6197, 57.5304, 64.5053



11.8289, 13.2753, 13.4553



14.8825, 28.4459, 9.0272



0.8696, 1.6055, 0.7021

Inverse Universe

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



48.0413, 41.5785, 54.7861



71.2050, 58.8781, 80.7028



45.4240, 40.5316, 41.0037



12.1234, 11.9341, 13.9257



18.9175, 9.4398, 15.0037



1.0949, 0.5427, 1.0346

Previews

White Background



This preview shows how the XYZ color 44.7877, 56.3959, 49.5992 looks on a white background.

Color Contrast Check

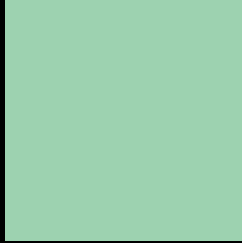
Large Text (above 18pt) WCAG AA × Fail

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 44.7877, 56.3959, 49.5992 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

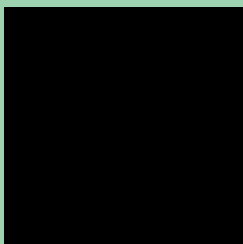
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

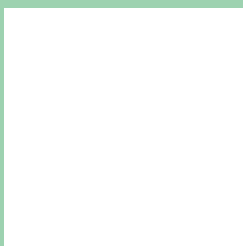
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.7877, 56.3959, 49.5992

Background



This preview shows how black text looks on a background with the XYZ color 44.7877, 56.3959, 49.5992.



This preview shows how white text looks on a background with the XYZ color 44.7877, 56.3959,

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

44.7877, 56.3959, 49.5992

Protanopia

52.8598, 56.0625, 45.5712

Deuteranopia

57.0831, 55.8102, 50.9439



Tritanopia

50.0282, 56.3524, 75.9505

Trichromacy



Original Color

44.7877, 56.3959, 49.5992

Protanomaly

49.5532, 56.0384, 47.2345

Deuteranomaly

51.6561, 55.3293, 50.6049

Tritanomaly

47.8707, 56.1836, 65.4482

Monochromacy



Original Color

44.7877, 56.3959, 49.5992

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

47.0833, 52.9003, 53.6282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.7877, 56.3959, 49.5992 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(157, 210, 176)` looks like.

```
.text, #text, p{  
    color:rgb(157, 210, 176)  
}
```

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(157, 210, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 210, 176) }
```

Border

The CSS property to change the border of an element to XYZ 44.7877, 56.3959, 49.5992 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(157, 210, 176) }
```


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

```
.border{ border-color:rgb(157, 210, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 210, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 210, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 210, 176);  
box-shadow:4px 4px 4px 4px rgb(157, 210,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 44.7877, 56.3959, 49.5992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 210, 176) }
```

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

```
.background{ background-color: rgb(157,  
210, 176) }
```

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