

Converting Colors

XYZ(38.5340, 44.5732, 45.5135)

Have a look what the booklet for
XYZ(38.5340, 44.5732, 45.5135)
contains.

XYZ(38.4915, 44.4276, 45.5764)	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(38.4915, 44.4276,
45.5764)**

Conversions

Conversions Part 1

Format	Color
Hex	9DB8AC
RGB	157, 184, 172
RGB Percent	62%, 72%, 67%
CMY	0.3843, 0.2784, 0.3255
CMYK	0.15, 0.00, 0.07, 0.28
HSL	153°, 16%, 67%
HSV	153°, 15%, 72%
XYZ	38.4915, 44.4276, 45.5764
YIQ	174.5590, -12.2400, -9.4560

Conversions

Conversions Part 2

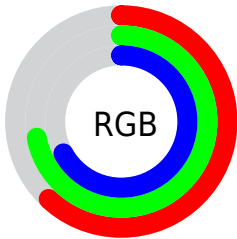
Format	Color
RYB	157, 174, 184
Decimal	10336428
CIELab	72.51, -11.60, 3.00
CIELCh	73, 11.981, 165.496
Yxy	44.4276, 0.2996, 0.3458
Android (android.graphics.Color)	4288526508 (0xFF9DB8AC)
YUV	174.5590, -1.2616, -15.3992
Hunter-Lab	66.6540, -13.5640, 6.1168

Details

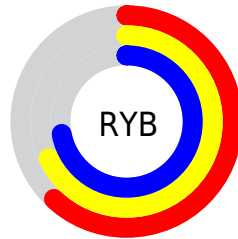
The XYZ color **38.4915, 44.4276, 45.5764** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.9871, 37.1700, 42.6578**, and the grayscale version is **40.5316, 42.6424, 46.4376**.

A 20% lighter version of the original color is **72.1766, 81.8633, 84.6701**, and **17.3322, 20.5919, 20.8304** is the 20% darker color. If you saturate the color by 10%, you get **34.4071, 42.4112, 41.4107**, and if you desaturate by 10%, it is **43.1674, 46.7458, 50.0241**.

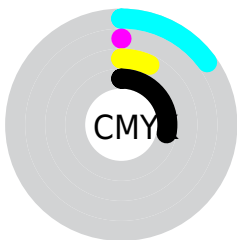
Distribution



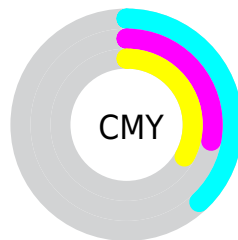
- Red (62%)
- Green (72%)
- Blue (67%)



- Red (62%)
- Yellow (68%)
- Blue (72%)



- Cyan (15%)
- Magenta (0%)
- Yellow (7%)
- Black (28%)





- Cyan (38%)
- Magenta (28%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4915, 44.4276, 45.5764 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 38.4915, 44.4276, 45.5764 by changing the saturation by 10% instead.


 38.4915, 44.4276,
45.5764


 38.4915, 44.4276,
45.5764


330.9682,
364.4504, 385.3310

 26.5433, 31.0068,
31.5654


 72.1599, 81.8608,
84.9123

 17.3653, 20.6040,
20.7677


 94.6109, 106.6420,
111.0743

 10.5922, 12.8349,
12.7647

121.2934,
135.9788, 142.1237

 5.8586, 7.3149,
7.1379

152.5730,
170.2555, 178.4791

 2.7991, 3.6598,
3.4688

188.8149,
209.8567, 220.5589

 1.0485, 1.4852,
1.3387

230.3845,

 0.0000, 0.2782,

255.1666, 268.7819

0.0932

277.6471,
306.5697, 323.5664

■ 0.0000, 0.0000,
0.0000

■ 38.4915, 44.4276,
45.5764

■ 38.4915, 44.4276,
45.5764

■ 34.4071, 42.4112,
41.4107

■ 43.1674, 46.7458,
50.0241

■ 30.8855, 40.6783,
37.5183

■ 48.4546, 49.3722,
54.7562

■ 27.9012, 39.2169,
33.8944

■ 54.3763, 52.3199,
59.7791

■ 25.4251, 38.0123,
30.5327

■ 60.9536, 55.5997,
65.0980

■ 23.4252, 37.0480,
27.4270

■ 68.2065, 59.2218,
70.7177

■ 21.8658, 36.3057,
24.5705

■ 71.4424, 60.7671,
76.4228

■ 20.7057, 35.7643,
21.9559

■ 72.5597, 61.2140,
82.3059

■ 19.8952, 35.3983,
19.5756

■ 73.7307, 61.6824,
88.4726

■ 19.5502, 35.2462,
18.3990

■ 74.9563, 62.1726,
94.9266

Harmonies

Analogous

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



39.4528, 44.4276, 40.8192



38.4915, 44.4276, 45.5764



38.5083, 44.4276, 51.4825

Triad

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



38.4915, 44.4276, 45.5764



43.2989, 44.4276, 60.2051



45.0775, 44.4276, 40.6947

Complementary

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



38.4915, 44.4276, 45.5764



38.9871, 37.1700, 42.6578

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.



46.1780, 44.4276, 45.3934



38.4915, 44.4276, 45.5764



45.1285, 44.4276, 56.8080

Square

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



38.4915, 44.4276, 45.5764



41.2386, 44.4276, 60.2642



46.1969, 44.4276, 51.2840



43.2313, 44.4276, 38.1608

Rectangle

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



38.4915, 44.4276, 45.5764



39.0703, 44.4276, 55.2959



46.1969, 44.4276, 51.2840



45.5496, 44.4276, 42.0555

Sweetspot

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



38.4927, 44.4295, 45.5774



78.7997, 85.0087, 91.1847



39.6222, 45.1689, 38.5291



16.8412, 18.2535, 19.5228



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



38.4927, 44.4295, 45.5774



66.9687, 79.1489, 79.8206



39.4192, 44.3534, 51.8330



9.0935, 10.1414, 10.6499



13.5093, 24.3047, 12.8699



0.5069, 0.8691, 0.6150

Inverse Universe

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



38.9871, 37.1700, 42.6578



68.0586, 63.1471, 73.3860



38.1410, 37.1990, 37.0688



9.1660, 9.0768, 10.2217



14.7020, 7.4545, 6.3173



0.5495, 0.2753, 0.3872

Previews

White Background



This preview shows how the XYZ color 38.4915, 44.4276, 45.5764 looks on a white background.

Color Contrast Check

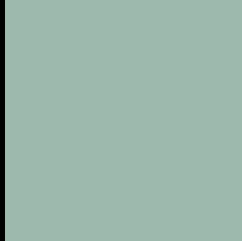
Large Text (above 18pt) WCAG AA × Fail

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 38.4915, 44.4276, 45.5764 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

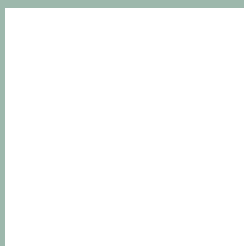
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.4915, 44.4276, 45.5764

Background



This preview shows how black text looks on a background with the XYZ color 38.4915, 44.4276, 45.5764.



This preview shows how white text looks on a background with the XYZ color 38.4915, 44.4276,

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

38.4915, 44.4276, 45.5764

Protanopia

42.3185, 44.3387, 43.3736

Deuteranopia

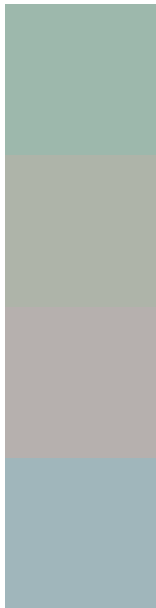
45.2553, 44.3360, 46.7299



Tritanopia

41.0721, 44.5649, 58.0669

Trichromacy



Original Color

38.4915, 44.4276, 45.5764

Protanomaly

40.9382, 44.5058, 43.9689

Deuteranomaly

42.4567, 44.0517, 46.3095

Tritanomaly

40.1948, 44.5173, 53.4879

Monochromacy



Original Color

38.4915, 44.4276, 45.5764

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.7088, 43.2216, 46.2941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4915, 44.4276, 45.5764 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, 184, 172)` looks like.

```
.text, #text, p{  
    color:rgb(157, 184, 172)  
}
```

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, 184, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 184, 172) }
```

Border

The CSS property to change the border of an element to XYZ 38.4915, 44.4276, 45.5764 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, 184, 172) }
```


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

```
.border{ border-color:rgb(157, 184, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 184, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 184, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 184, 172);  
box-shadow:4px 4px 4px 4px rgb(157, 184,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4915, 44.4276, 45.5764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 184, 172) }
```

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

```
.background{ background-color: rgb(157,  
184, 172) }
```

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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