

Converting Colors

XYZ(38.7311, 45.0858, 44.3692)

Have a look what the booklet for
XYZ(38.7311, 45.0858, 44.3692)
contains.

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Color

**XYZ(38.8209, 45.2515,
44.2244)**

Conversions

Conversions Part 1

Format	Color
Hex	9EBAA9
RGB	158, 186, 169
RGB Percent	62%, 73%, 66%
CMY	0.3804, 0.2706, 0.3372
CMYK	0.15, 0.00, 0.09, 0.27
HSL	144°, 17%, 67%
HSV	144°, 15%, 73%
XYZ	38.8209, 45.2515, 44.2244
YIQ	175.6900, -11.2310, -11.2230

Conversions

Conversions Part 2

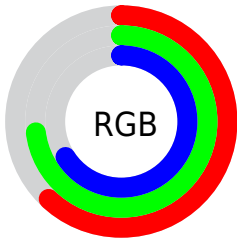
Format	Color
RYB	158, 178, 186
Decimal	10402473
CIELab	73.06, -12.89, 5.43
CIELCh	73, 13.989, 157.149
Yxy	45.2515, 0.3026, 0.3527
Android (android.graphics.Color)	4288592553 (0xFF9EBAA9)
YUV	175.6900, -3.2982, -15.5141
Hunter-Lab	67.2692, -14.7093, 8.1098

Details

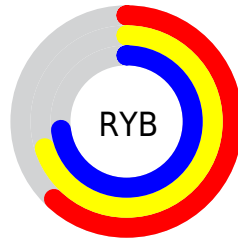
The XYZ color **38.8209, 45.2515, 44.2244** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.2161, 37.9891, 45.7726**, and the grayscale version is **41.1273, 43.2691, 47.1200**.

A 20% lighter version of the original color is **72.6472, 83.0322, 82.7189**, and **17.5423, 21.1236, 19.9823** is the 20% darker color. If you saturate the color by 10%, you get **34.4207, 43.1017, 38.7212**, and if you desaturate by 10%, it is **43.8690, 47.7273, 50.2380**.

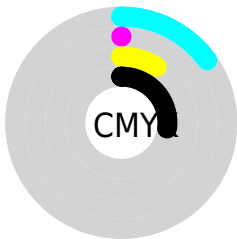
Distribution



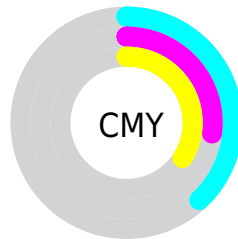
- Red (62%)
- Green (73%)
- Blue (66%)



- Red (62%)
- Yellow (70%)
- Blue (73%)



- Cyan (15%)
- Magenta (0%)
- Yellow (9%)
- Black (27%)



- Cyan (38%)
- Magenta (27%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8209, 45.2515, 44.2244 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 38.8209, 45.2515, 44.2244 by changing the saturation by 10% instead.

■ 38.8209, 45.2515,
44.2244

■ 38.8209, 45.2515,
44.2244

332.3487,
367.7912, 379.6913

■ 26.8005, 31.6556,
30.5085

■ 72.6605, 83.0977,
82.8614

■ 17.5593, 21.0986,
19.9695

■ 95.2104, 108.1167,
108.6195

■ 10.7318, 13.1961,
12.1890

122.0008,
137.7123, 139.2288

■ 5.9528, 7.5637,
6.7485

153.3971,
172.2687, 175.1078

■ 2.8568, 3.8171,
3.2292

189.7648,
212.1704, 216.6750

■ 1.0785, 1.5718,
1.2128

231.4690,

■ 0.0070, 0.3384,

257.8018, 264.3489

0.0000

278.8752,
309.5473, 318.5482

■ 0.0000, 0.0000,
0.0000

■ 38.8209, 45.2515,
44.2244

■ 38.8209, 45.2515,
44.2244

■ 34.4207, 43.1017,
38.7212

■ 43.8690, 47.7273,
50.2380

■ 30.6376, 41.2583,
33.7120

■ 49.5867, 50.5362,
56.7717

■ 27.4436, 39.7087,
29.1840

■ 55.9993, 53.6922,
63.8390

■ 24.8073, 38.4368,
25.1226

■ 63.1297, 57.2070,
71.4515

■ 22.6940, 37.4251,
21.5126

■ 70.9996, 61.0914,
79.6210

■ 21.0652, 36.6540,
18.3378

■ 74.0514, 62.4802,
88.0975

■ 19.8763, 36.1008,
15.5810

■ 75.7521, 63.1605,
97.0531

■ 19.0735, 35.7383,
13.2235

■ 76.8498, 63.5995,
102.8333

■ 18.7645, 35.6014,
12.1975

Harmonies

Analogous

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



40.2326, 45.2515, 39.2979



38.8209, 45.2515, 44.2244



38.5112, 45.2515, 50.9662

Triad

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



38.8209, 45.2515, 44.2244



43.5980, 45.2515, 63.8776



46.8681, 45.2515, 41.5779

Complementary

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



38.8209, 45.2515, 44.2244



40.2161, 37.9891, 45.7726

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.



47.8466, 45.2515, 47.6142



38.8209, 45.2515, 44.2244



45.9128, 45.2515, 60.8035

Square

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



38.8209, 45.2515, 44.2244



41.2099, 45.2515, 62.7522



47.4905, 45.2515, 54.6880



44.8622, 45.2515, 37.8740

Rectangle

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



38.8209, 45.2515, 44.2244



38.9603, 45.2515, 55.6752



47.4905, 45.2515, 54.6880



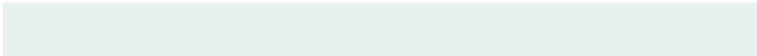
47.3315, 45.2515, 43.3781

Sweetspot

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



38.8222, 45.2534, 44.2254



79.4842, 86.4911, 91.0233



41.4713, 46.7334, 39.1831



17.3528, 18.9727, 19.8686



90.7827, 95.5105, 104.0109



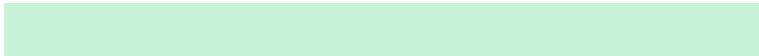
18.6292, 19.5994, 21.3438

Same Dimension

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



38.8222, 45.2534, 44.2254



67.6511, 80.6930, 76.8222



40.1805, 45.7967, 51.3783



9.0325, 10.1170, 10.3286



12.6582, 23.9642, 8.3878



0.4770, 0.8571, 0.4575

Inverse Universe

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



40.2161, 37.9891, 45.7726



70.6528, 65.0480, 80.1526



38.9345, 37.4765, 39.0241



9.2274, 9.1013, 10.5451



15.6639, 7.8393, 11.3828



0.5817, 0.2882, 0.5566

Previews

White Background



This preview shows how the XYZ color 38.8209, 45.2515, 44.2244 looks on a white background.

Color Contrast Check

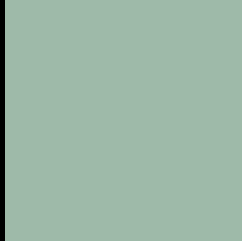
Large Text (above 18pt) WCAG AA × Fail

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 38.8209, 45.2515, 44.2244 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

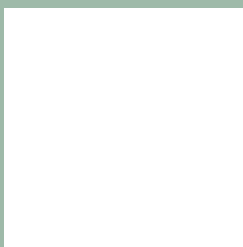
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8209, 45.2515, 44.2244

Background



This preview shows how black text looks on a background with the XYZ color 38.8209, 45.2515, 44.2244.



This preview shows how white text looks on a background with the XYZ color 38.8209, 45.2515,

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

38.8209, 45.2515, 44.2244

Protanopia

42.7195, 44.8717, 42.0069

Deuteranopia

45.9432, 45.0078, 45.2956



Tritanopia

41.7960, 45.2279, 58.7515

Trichromacy



Original Color

38.8209, 45.2515, 44.2244

Protanomaly

41.0860, 44.9149, 42.5804

Deuteranomaly

43.0382, 44.9714, 44.9401

Tritanomaly

40.4944, 44.9892, 53.0039

Monochromacy



Original Color

38.8209, 45.2515, 44.2244

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.2263, 44.0947, 45.9261

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8209, 45.2515, 44.2244 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(158, 186, 169)` looks like.

```
.text, #text, p{  
    color:rgb(158, 186, 169)  
}
```

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(158, 186, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 186, 169) }
```

Border

The CSS property to change the border of an element to XYZ 38.8209, 45.2515, 44.2244 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(158, 186, 169) }
```


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

```
.border{ border-color:rgb(158, 186, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 186, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 186, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 186, 169);  
box-shadow:4px 4px 4px 4px rgb(158, 186,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8209, 45.2515, 44.2244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 186, 169) }
```

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

```
.background{ background-color: rgb(158,  
186, 169) }
```

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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