

Converting Colors

XYZ(38.6886, 44.2717, 51.6322)

Have a look what the booklet for
XYZ(38.6886, 44.2717, 51.6322)
contains.

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Color

**XYZ(38.7411, 44.4171,
51.8789)**

Conversions

Conversions Part 1

Format	Color
Hex	98B8B8
RGB	152, 184, 184
RGB Percent	60%, 72%, 72%
CMY	0.4039, 0.2784, 0.2784
CMYK	0.17, 0.00, 0.00, 0.28
HSL	180°, 18%, 66%
HSV	180°, 17%, 72%
XYZ	38.7411, 44.4171, 51.8789
YIQ	174.4320, -19.0720, -6.7840

Conversions

Conversions Part 2

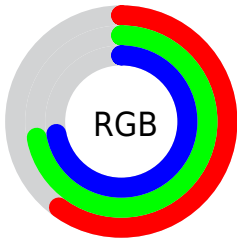
Format	Color
R_{YB}	152, 168, 184
Decimal	10008760
CIE _{Lab}	72.51, -10.77, -3.61
CIE _{LCh}	73, 11.361, 198.538
Yxy	44.4171, 0.2869, 0.3289
Android (android.graphics.Color)	4288198840 (0xFF98B8B8)
YUV	174.4320, 4.7170, -19.6729
Hunter-Lab	66.6462, -12.8696, 0.4996

Details

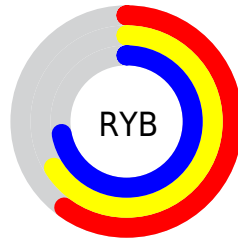
The XYZ color **38.7411, 44.4171, 51.8789** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.6645, 34.9150, 34.5144**, and the grayscale version is **40.4388, 42.5448, 46.3313**.

A 20% lighter version of the original color is **72.6204, 81.8768, 94.4144**, and **17.4686, 20.5806, 24.5245** is the 20% darker color. If you saturate the color by 10%, you get **35.5611, 42.7789, 51.7302**, and if you desaturate by 10%, it is **42.4580, 46.3344, 52.0546**.

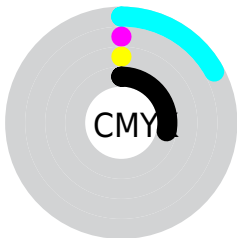
Distribution



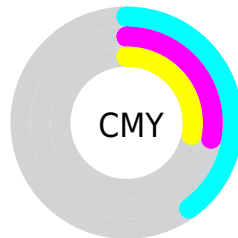
- Red (60%)
- Green (72%)
- Blue (72%)



- Red (60%)
- Yellow (66%)
- Blue (72%)



- Cyan (17%)
- Magenta (0%)
- Yellow (0%)
- Black (28%)



- Cyan (40%)
- Magenta (28%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7411, 44.4171, 51.8789 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 38.7411, 44.4171, 51.8789 by changing the saturation by 10% instead.

■ 38.7411, 44.4171,
51.8789

■ 38.7411, 44.4171,
51.8789

332.0147,
364.4076, 410.9126

■ 26.7382, 30.9985,
36.5270

■ 72.5392, 81.8450,
94.3774

■ 17.5123, 20.5977,
24.5486

■ 95.0652, 106.6232,
122.3610

■ 10.6980, 12.8303,
15.5251

121.8295,
135.9566, 155.3923

■ 5.9299, 7.3118,
9.0380

153.1976,
170.2298, 193.8898

■ 2.8428, 3.6578,
4.6688

189.5348,
209.8271, 238.2720

■ 1.0712, 1.4841,
1.9990

231.2065,

■ 0.0008, 0.2775,

255.1329, 288.9576

0.5547

278.5780,
306.5316, 346.3649

■ 0.0000, 0.0000,
0.0000

■ 38.7411, 44.4171,
51.8789

■ 38.7411, 44.4171,
51.8789

■ 35.5611, 42.7789,
51.7302

■ 42.4580, 46.3344,
52.0546

■ 32.8895, 41.4017,
51.6043

■ 46.7308, 48.5371,
52.2554

■ 30.7012, 40.2736,
51.5011

■ 51.5825, 51.0382,
52.4833

■ 28.9673, 39.3798,
51.4191

■ 57.0336, 53.8483,
52.7392

■ 27.6558, 38.7037,
51.3569

■ 63.1035, 56.9774,
53.0241

■ 26.7308, 38.2268,
51.3128

■ 67.0341, 59.0038,
53.2089

■ 26.1500, 37.9274,
51.2848

■ 67.0343, 59.0038,
53.2097

■ 25.8520, 37.7738,
51.2700

■ 67.0345, 59.0039,
53.2106

■ 25.7919, 37.7428,
51.2670

■ 67.0346, 59.0039,
53.2114

Harmonies

Analogous

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



38.6274, 44.4171, 46.2477



38.7411, 44.4171, 51.8789



39.7687, 44.4171, 56.9177

Triad

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



38.7411, 44.4171, 51.8789



45.1072, 44.4171, 55.8733



42.9711, 44.4171, 38.5298

Complementary

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



38.7411, 44.4171, 51.8789



36.6645, 34.9150, 34.5144

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.



44.7641, 44.4171, 40.7110



38.7411, 44.4171, 51.8789



46.0226, 44.4171, 50.5412

Square

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



38.7411, 44.4171, 51.8789



43.4277, 44.4171, 59.3441



45.8951, 44.4171, 45.0090



41.0293, 44.4171, 38.8271

Rectangle

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



38.7411, 44.4171, 51.8789



40.8521, 44.4171, 59.1283



45.8951, 44.4171, 45.0090



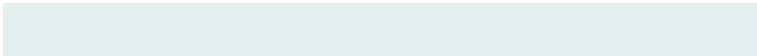
43.6122, 44.4171, 38.9902

Sweetspot

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



38.7424, 44.4189, 51.8799



78.6599, 84.8645, 94.4385



35.8582, 43.2768, 36.1698



16.8457, 18.2374, 20.3537



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.



38.7424, 44.4189, 51.8799



67.8313, 79.2822, 93.9293



35.7032, 38.3401, 50.8682



9.2667, 10.2106, 11.5617



17.7747, 26.0108, 35.3312



0.6266, 0.9170, 1.2456

Inverse Universe

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



36.6645, 34.9150, 34.5144



63.3344, 58.7145, 56.3483



39.3406, 40.2676, 35.4054



9.0047, 9.0122, 9.3720



13.6234, 7.0231, 0.6379



0.4803, 0.2476, 0.0225

Previews

White Background



This preview shows how the XYZ color 38.7411, 44.4171, 51.8789 looks on a white background.

Color Contrast Check

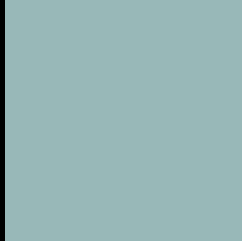
Large Text (above 18pt) WCAG AA × Fail

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 38.7411, 44.4171, 51.8789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

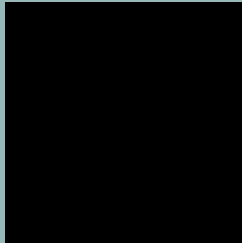
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

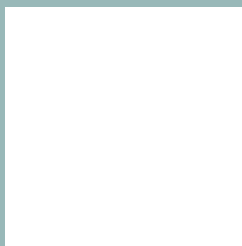
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7411, 44.4171, 51.8789

Background



This preview shows how black text looks on a background with the XYZ color 38.7411, 44.4171, 51.8789.

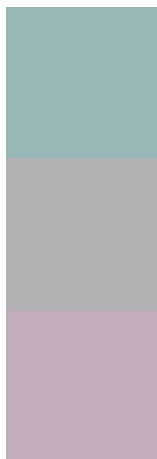


This preview shows how white text looks on a background with the XYZ color 38.7411, 44.4171,

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

38.7411, 44.4171, 51.8789

Protanopia

42.7828, 44.4429, 49.5035

Deuteranopia

45.1013, 44.1266, 52.5946



Tritanopia

40.1324, 44.3571, 59.2699

Trichromacy



Original Color

38.7411, 44.4171, 51.8789

Protanomaly

41.2393, 44.5248, 50.1367

Deuteranomaly

42.4138, 43.9006, 52.1372

Tritanomaly

39.5848, 44.4450, 56.3616

Monochromacy



Original Color

38.7411, 44.4171, 51.8789

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.6822, 43.1621, 48.3591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7411, 44.4171, 51.8789 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(152, 184, 184)` looks like.

```
.text, #text, p{  
    color:rgb(152, 184, 184)  
}
```

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(152, 184, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 184, 184) }
```

Border

The CSS property to change the border of an element to XYZ 38.7411, 44.4171, 51.8789 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(152, 184, 184) }
```


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

```
.border{ border-color:rgb(152, 184, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 184, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 184, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 184, 184); box-shadow:4px 4px 4px 4px rgb(152, 184, 184) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7411, 44.4171, 51.8789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 184, 184) }
```

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

```
.background{ background-color: rgb(152,  
184, 184) }
```

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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