

Converting Colors

XYZ(38.8420, 44.4413, 51.8266)

Have a look what the booklet for
XYZ(38.8420, 44.4413, 51.8266)
contains.

XYZ(38.9291, 44.5140, 51.8877)	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(38.9291, 44.5140,
51.8877)**

Conversions

Conversions Part 1

Format	Color
Hex	99B8B8
RGB	153, 184, 184
RGB Percent	60%, 72%, 72%
CMY	0.4000, 0.2784, 0.2784
CMYK	0.17, 0.00, 0.00, 0.28
HSL	180°, 18%, 66%
HSV	180°, 17%, 72%
XYZ	38.9291, 44.5140, 51.8877
YIQ	174.7310, -18.4760, -6.5720

Conversions

Conversions Part 2

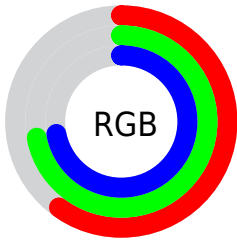
Format	Color
R_{YB}	153, 169, 184
Decimal	10074296
CIE _{Lab}	72.57, -10.45, -3.51
CIE _{LCh}	73, 11.024, 198.566
Yxy	44.5140, 0.2877, 0.3289
Android (android.graphics.Color)	4288264376 (0xFF99B8B8)
YUV	174.7310, 4.5696, -19.0581
Hunter-Lab	66.7188, -12.6067, 0.5929

Details

The XYZ color **38.9291, 44.5140, 51.8877** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.9098, 35.2739, 35.0021**, and the grayscale version is **40.5936, 42.7076, 46.5085**.

A 20% lighter version of the original color is **72.9007, 82.0213, 94.4275**, and **17.5799, 20.6380, 24.5297** is the 20% darker color. If you saturate the color by 10%, you get **35.7207, 42.8612, 51.7376**, and if you desaturate by 10%, it is **42.6757, 46.4466, 52.0648**.

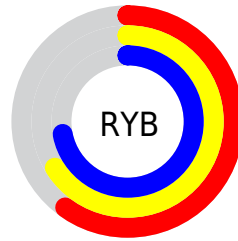
Distribution



Red (60%)

Green (72%)

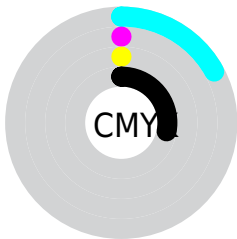
Blue (72%)



Red (60%)

Yellow (66%)

Blue (72%)

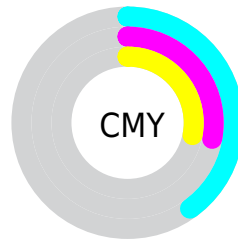


Cyan (17%)

Magenta (0%)

Yellow (0%)

Black (28%)



Cyan (40%)

Magenta (28%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9291, 44.5140, 51.8877 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 38.9291, 44.5140, 51.8877 by changing the saturation by 10% instead.

■ 38.9291, 44.5140,
51.8877

■ 38.9291, 44.5140,
51.8877

332.8013,
364.8017, 410.9475

■ 26.8851, 31.0748,
36.5339

■ 72.8248, 81.9906,
94.3905

■ 17.6231, 20.6558,
24.5539

■ 95.4071, 106.7969,
122.3766

■ 10.7777, 12.8726,
15.5290

122.2329,
136.1609, 155.4106

■ 5.9838, 7.3409,
9.0408

153.6675,
170.4671, 193.9110

■ 2.8758, 3.6762,
4.6706

190.0763,
210.0999, 238.2964

■ 1.0884, 1.4941,
2.0000

231.8246,

■ 0.0154, 0.2846,

255.4436, 288.9852

0.5553

279.2778,
306.8828, 346.3961

■ 0.0000, 0.0000,
0.0000

■ 38.9291, 44.5140,
51.8877

■ 38.9291, 44.5140,
51.8877

■ 35.7207, 42.8612,
51.7376

■ 42.6757, 46.4466,
52.0648

■ 33.0221, 41.4700,
51.6105

■ 46.9794, 48.6652,
52.2671

■ 30.8082, 40.3288,
51.5061

■ 51.8632, 51.1829,
52.4965

■ 29.0504, 39.4226,
51.4230

■ 57.3474, 54.0101,
52.7540

■ 27.7168, 38.7351,
51.3597

■ 63.4515, 57.1568,
53.0405

■ 26.7718, 38.2479,
51.3146

■ 67.0341, 59.0037,
53.2090

■ 26.1735, 37.9395,
51.2858

■ 67.0343, 59.0038,
53.2098

■ 25.8645, 37.7803,
51.2705

■ 67.0345, 59.0039,
53.2107

■ 25.7918, 37.7428,
51.2668

■ 67.0346, 59.0039,
53.2115

Harmonies

Analogous

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



38.8176, 44.5140, 46.4170



38.9291, 44.5140, 51.8877



39.9299, 44.5140, 56.7713

Triad

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



38.9291, 44.5140, 51.8877



45.1169, 44.5140, 55.7514



43.0399, 44.5140, 38.8907

Complementary

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



38.9291, 44.5140, 51.8877



36.9098, 35.2739, 35.0021

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.



44.7813, 44.5140, 41.0169



38.9291, 44.5140, 51.8877



46.0042, 44.5140, 50.5789

Square

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



38.9291, 44.5140, 51.8877



43.4870, 44.5140, 59.1149



45.8795, 44.5140, 45.2023



41.1529, 44.5140, 39.1833

Rectangle

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



38.9291, 44.5140, 51.8877



40.9840, 44.5140, 58.9101



45.8795, 44.5140, 45.2023



43.6627, 44.5140, 39.3394

Sweetspot

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



38.9304, 44.5158, 51.8887



78.6599, 84.8645, 94.4385



36.1262, 43.4054, 36.6118



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.



38.9304, 44.5158, 51.8887



68.4324, 79.5921, 93.9575



35.9810, 38.6166, 50.9069



9.2667, 10.2106, 11.5617



17.7747, 26.0108, 35.3311



0.6266, 0.9170, 1.2456

Inverse Universe

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



36.9098, 35.2739, 35.0021



64.1187, 59.8621, 57.9073



39.5181, 40.4910, 35.8705



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 38.9291, 44.5140, 51.8877 looks on a white background.

Color Contrast Check

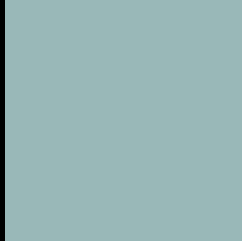
Large Text (above 18pt) WCAG AA × Fail

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 38.9291, 44.5140, 51.8877 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

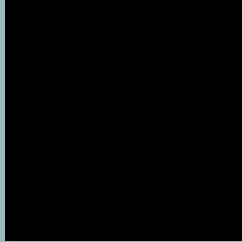
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9291, 44.5140, 51.8877

Background



This preview shows how black text looks on a background with the XYZ color 38.9291, 44.5140, 51.8877.

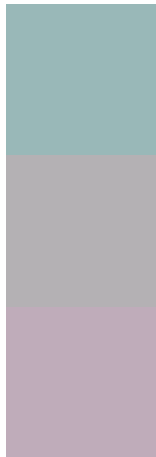


This preview shows how white text looks on a background with the XYZ color 38.9291, 44.5140,

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

38.9291, 44.5140, 51.8877

Protanopia

42.7828, 44.4429, 49.5035

Deuteranopia

45.1013, 44.1266, 52.5946



Tritanopia

40.3236, 44.4557, 59.2788

Trichromacy



Original Color

38.9291, 44.5140, 51.8877

Protanomaly

41.2393, 44.5248, 50.1367

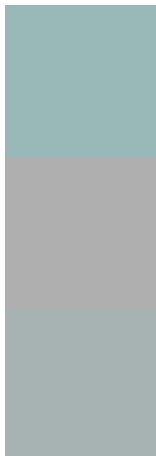
Deuteranomaly

42.4138, 43.9006, 52.1372

Tritanomaly

39.7743, 44.5428, 56.3705

Monochromacy



Original Color

38.9291, 44.5140, 51.8877

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.8926, 43.2706, 48.3690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9291, 44.5140, 51.8877 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(153, 184, 184)` looks like.

```
.text, #text, p{  
    color:rgb(153, 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(153, 184, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 184, 184) }
```

Border

The CSS property to change the border of an element to XYZ 38.9291, 44.5140, 51.8877 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(153, 184, 184) }
```


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

```
.border{ border-color:rgb(153, 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(153, 184, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 184, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 184, 184);  
box-shadow:4px 4px 4px 4px rgb(153, 184,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9291, 44.5140, 51.8877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 184, 184) }
```

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

```
.background{ background-color: rgb(153,  
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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