

Converting Colors

XYZ(38.7342, 44.2257, 51.7907)

Have a look what the booklet for
XYZ(38.7342, 44.2257, 51.7907)
contains.

XYZ(38.7221, 44.1000, 51.8187)	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(38.7221, 44.1000,
51.8187)**

Conversions

Conversions Part 1

Format	Color
Hex	99B7B8
RGB	153, 183, 184
RGB Percent	60%, 72%, 72%
CMY	0.4000, 0.2823, 0.2784
CMYK	0.17, 0.01, 0.00, 0.28
HSL	182°, 18%, 66%
HSV	182°, 17%, 72%
XYZ	38.7221, 44.1000, 51.8187
YIQ	174.1440, -18.2010, -6.0490

Conversions

Conversions Part 2

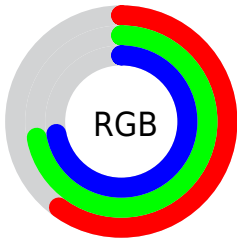
Format	Color
RYB	153, 168, 184
Decimal	10074040
CIELab	72.30, -9.92, -3.92
CIELCh	72, 10.667, 201.536
Yxy	44.1000, 0.2876, 0.3275
Android (android.graphics.Color)	4288264120 (0xFF99B7B8)
YUV	174.1440, 4.8590, -18.5433
Hunter-Lab	66.4078, -12.1312, 0.2209

Details

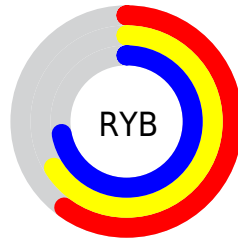
The XYZ color **38.7221, 44.1000, 51.8187** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.0729, 35.6014, 35.0556**, and the grayscale version is **40.2896, 42.3878, 46.1604**.

A 20% lighter version of the original color is **72.6071, 81.4342, 94.3296**, and **17.4462, 20.3707, 24.4851** is the 20% darker color. If you saturate the color by 10%, you get **35.3920, 42.2035, 51.6289**, and if you desaturate by 10%, it is **42.5908, 46.2772, 52.0357**.

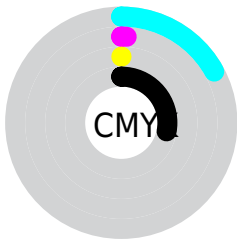
Distribution



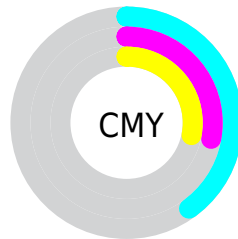
- Red (60%)
- Green (72%)
- Blue (72%)



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



- Cyan (17%)
- Magenta (1%)
- Yellow (0%)
- Black (28%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7221, 44.1000, 51.8187 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 38.7221, 44.1000, 51.8187 by changing the saturation by 10% instead.

■ 38.7221, 44.1000,
51.8187

■ 38.7221, 44.1000,
51.8187

331.9351,
363.1162, 410.6733

■ 26.7234, 30.7491,
36.4793

■ 72.5104, 81.3682,
94.2877

■ 17.5011, 20.4079,
24.5120

■ 95.0306, 106.0543,
122.2543

■ 10.6899, 12.6919,
15.4982

121.7888,
135.2876, 155.2672

■ 5.9245, 7.2167,
9.0193

153.1501,
169.4526, 193.7448

■ 2.8394, 3.5980,
4.6568

189.4801,
208.9335, 238.1057

■ 1.0694, 1.4513,
1.9921

231.1440,

■ 0.0000, 0.2541,

254.1148, 288.7684

0.5504

278.5072,
305.3809, 346.1514

■ 0.0000, 0.0000,
0.0000

■ 38.7221, 44.1000,
51.8187

■ 38.7221, 44.1000,
51.8187

■ 35.3920, 42.2035,
51.6289

■ 42.5908, 46.2772,
52.0357

■ 32.5722, 40.5697,
51.4621

■ 47.0172, 48.7416,
52.2781

■ 30.2377, 39.1869,
51.3183

■ 52.0242, 51.5059,
52.5478

■ 28.3597, 38.0401,
51.1959

■ 57.6320, 54.5808,
52.8457

■ 26.9065, 37.1131,
51.0936

■ 63.8602, 57.9763,
53.1729

■ 25.8423, 36.3874,
51.0096

■ 67.5681, 60.0733,
53.3822

■ 25.1254, 35.8414,
50.9420

■ 67.6936, 60.3242,
53.4240

■ 24.6982, 35.4456,
50.8881

■ 67.8196, 60.5762,
53.4660

■ 24.5884, 35.3338,
50.8723

■ 67.9461, 60.8292,
53.5082

Harmonies

Analogous

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



38.5255, 44.1000, 46.5470



38.7221, 44.1000, 51.8187



39.7615, 44.1000, 56.3622

Triad

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



38.7221, 44.1000, 51.8187



44.7363, 44.1000, 54.5735



42.4366, 44.1000, 38.7097

Complementary

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



38.7221, 44.1000, 51.8187



37.0729, 35.6014, 35.0556

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.



44.1464, 44.1000, 40.5398



38.7221, 44.1000, 51.8187



45.4993, 44.1000, 49.5185

Square

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



38.7221, 44.1000, 51.8187



43.2228, 44.1000, 58.0316



45.2803, 44.1000, 44.4067



40.6353, 44.1000, 39.2271

Rectangle

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



38.7221, 44.1000, 51.8187



40.8094, 44.1000, 58.2418



45.2803, 44.1000, 44.4067



43.0419, 44.1000, 39.0656

Sweetspot

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



38.7234, 44.1018, 51.8197



78.5468, 84.6381, 94.4015



36.0707, 43.3711, 36.8323



16.8180, 18.1819, 20.3447



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.



38.7234, 44.1018, 51.8197



67.9816, 78.6895, 93.8102



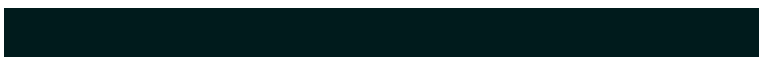
35.7889, 38.2329, 50.8415



9.2412, 10.1597, 11.5534



16.9563, 24.3722, 35.0637



0.6055, 0.8747, 1.2387

Inverse Universe

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



39.7067, 36.3926, 49.7336



70.0862, 62.2491, 89.3317



39.7088, 40.8732, 35.9342



9.3681, 9.1576, 11.2859



19.1724, 9.2427, 29.8584



0.6798, 0.3274, 1.0732

Previews

White Background



This preview shows how the XYZ color 38.7221, 44.1000, 51.8187 looks on a white background.

Color Contrast Check

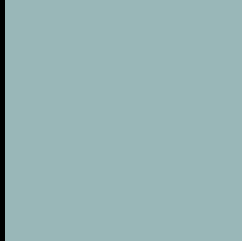
Large Text (above 18pt) WCAG AA × Fail

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 38.7221, 44.1000, 51.8187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

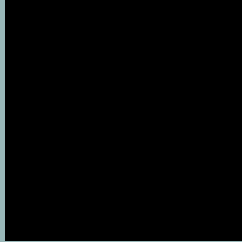
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7221, 44.1000, 51.8187

Background



This preview shows how black text looks on a background with the XYZ color 38.7221, 44.1000, 51.8187.



This preview shows how white text looks on a background with the XYZ color 38.7221, 44.1000,

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

38.7221, 44.1000, 51.8187

Protanopia

42.3540, 43.9297, 49.4270

Deuteranopia

44.8507, 43.9974, 52.5828



Tritanopia

40.0052, 44.0018, 58.6093

Trichromacy



Original Color

38.7221, 44.1000, 51.8187

Protanomaly

41.0382, 44.1224, 50.0696

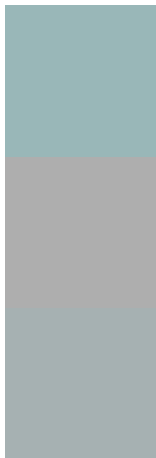
Deuteranomaly

42.4138, 43.9006, 52.1372

Tritanomaly

39.5688, 44.1317, 56.3019

Monochromacy



Original Color

38.7221, 44.1000, 51.8187

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.4839, 42.7656, 48.2930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7221, 44.1000, 51.8187 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, 183, 184)` looks like.

```
.text, #text, p{  
    color:rgb(153, 183, 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, 183, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 183, 184) }
```

Border

The CSS property to change the border of an element to XYZ 38.7221, 44.1000, 51.8187 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, 183, 184) }
```


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

```
.border{ border-color:rgb(153, 183, 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, 183, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 183, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 183, 184);  
box-shadow:4px 4px 4px 4px rgb(153, 183,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7221, 44.1000, 51.8187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 183, 184) }
```

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

```
.background{ background-color: rgb(153,  
183, 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](#).

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