

Converting Colors

XYZ(38.7555, 52.3659, 44.3692)

Have a look what the booklet for
XYZ(38.7555, 52.3659, 44.3692)
contains.

XYZ(38.7115, 52.2844, 44.1280)	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(38.7115, 52.2844,
44.1280)**

Conversions

Conversions Part 1

Format	Color
Hex	84CFA6
RGB	132, 207, 166
RGB Percent	52%, 81%, 65%
CMY	0.4823, 0.1882, 0.3490
CMYK	0.36, 0.00, 0.20, 0.19
HSL	147°, 44%, 66%
HSV	147°, 36%, 81%
XYZ	38.7115, 52.2844, 44.1280
YIQ	179.9010, -31.5390, -28.6510

Conversions

Conversions Part 2

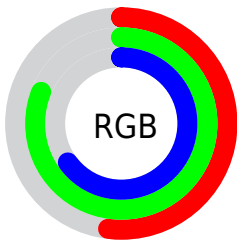
Format	Color
RYB	132, 184, 207
Decimal	8703910
CIELab	77.45, -32.18, 13.11
CIELCh	77, 34.747, 157.825
Yxy	52.2844, 0.2865, 0.3869
Android (android.graphics.Color)	4286893990 (0xFF84CFA6)
YUV	179.9010, -6.8532, -42.0092
Hunter-Lab	72.3080, -30.9754, 14.4321

Details

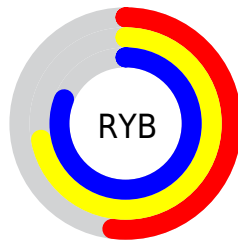
The XYZ color **38.7115, 52.2844, 44.1280** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.5280, 32.7863, 43.6769**, and the grayscale version is **43.3782, 45.6372, 49.6990**.

A 20% lighter version of the original color is **69.3047, 87.3053, 81.6055**, and **17.4899, 25.3336, 19.8877** is the 20% darker color. If you saturate the color by 10%, you get **34.7973, 50.3827, 38.7628**, and if you desaturate by 10%, it is **43.3621, 54.5580, 50.0068**.

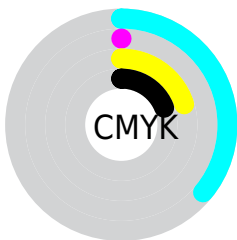
Distribution



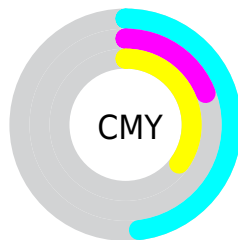
- Red (52%)
- Green (81%)
- Blue (65%)



- Red (52%)
- Yellow (72%)
- Blue (81%)



- Cyan (36%)
- Magenta (0%)
- Yellow (20%)
- Black (19%)



- Cyan (48%)
- Magenta (19%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7115, 52.2844, 44.1280 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 38.7115, 52.2844, 44.1280 by changing the saturation by 10% instead.

■ 38.7115, 52.2844,
44.1280

■ 38.7115, 52.2844,
44.1280

331.8907,
395.5336, 379.2870

■ 26.7151, 37.2318,
30.4332

■ 72.4943, 93.5505,
82.7148

■ 17.4948, 25.3870,
19.9128

■ 95.0113, 120.5329,
108.4440

■ 10.6854, 16.3656,
12.1482

■ 121.7660,
152.2606, 139.0217

■ 5.9214, 9.7833,
6.7209

153.1236,
189.1181, 174.8664

■ 2.8376, 5.2555,
3.2124

189.4495,
231.4897, 216.3968

■ 1.0685, 2.3979,
1.2041

231.1091,

■ 0.0000, 0.8248,

279.7599, 264.0313

0.0000

278.4677,
334.3131, 318.1885

■ 0.0000, 0.0000,
0.0000

■ 38.7115, 52.2844,
44.1280

■ 38.7115, 52.2844,
44.1280

■ 34.7973, 50.3827,
38.7628

■ 43.3621, 54.5580,
50.0068

■ 31.5749, 48.8259,
33.8935

■ 48.7823, 57.2161,
56.4093

■ 29.0009, 47.5934,
29.5065


■ 55.0080, 60.2785,
63.3494


■ 27.0251, 46.6596,
25.5861


■ 62.0719, 63.7616,
70.8399


■ 25.5894, 45.9948,
22.1158


■ 70.0047, 67.6810,
78.8927

 24.6209, 45.5617,
19.0774

 78.3909, 71.8225,
87.4987

 24.3270, 45.4329,
18.0391

 80.0685, 72.4935,
96.3329

 81.6038, 73.1076,
104.4179

Harmonies

Analogous

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



42.2179, 52.2844, 32.5104



38.7115, 52.2844, 44.1280



38.0118, 52.2844, 62.0919

Triad

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



38.7115, 52.2844, 44.1280



51.4663, 52.2844, 101.7684



60.5610, 52.2844, 37.1974

Complementary

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



38.7115, 52.2844, 44.1280



41.5280, 32.7863, 43.6769

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.



63.5554, 52.2844, 52.0602



38.7115, 52.2844, 44.1280



58.0060, 52.2844, 91.2589

Square

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



38.7115, 52.2844, 44.1280



44.9970, 52.2844, 98.3010



62.5807, 52.2844, 71.9928



54.7086, 52.2844, 29.1796

Rectangle

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



38.7115, 52.2844, 44.1280



39.1668, 52.2844, 75.9093



62.5807, 52.2844, 71.9928



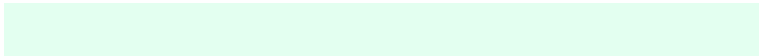
61.9581, 52.2844, 41.4095

Sweetspot

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



38.7129, 52.2866, 44.1292



83.1013, 94.1142, 95.9638



43.7684, 55.2067, 30.1796



17.4964, 20.0013, 20.2150



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



38.7129, 52.2866, 44.1292



57.3555, 81.5143, 64.3741



42.6396, 53.8572, 64.8069



11.8759, 13.2941, 13.7030



15.3728, 28.6421, 11.6094



0.8993, 1.6174, 0.8585

Inverse Universe

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



41.5280, 32.7863, 43.6769



62.4739, 46.0399, 63.5374



38.4111, 31.5395, 27.2635



12.0752, 11.9148, 13.6719



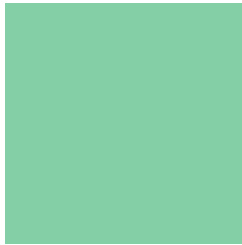
18.1444, 9.1306, 10.9327



1.0543, 0.5264, 0.8206

Previews

White Background



This preview shows how the XYZ color 38.7115, 52.2844, 44.1280 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 38.7115, 52.2844, 44.1280 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 38.7115, 52.2844, 44.1280

Background



This preview shows how black text looks on a background with the XYZ color 38.7115, 52.2844, 44.1280.



This preview shows how white text looks on a background with the XYZ color 38.7115, 52.2844,

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

38.7115, 52.2844, 44.1280

Protanopia

48.6724, 51.7130, 39.7641

Deuteranopia

52.8101, 51.8202, 45.7470



Tritanopia

44.3766, 52.1061, 72.6843

Trichromacy



Original Color

38.7115, 52.2844, 44.1280

Protanomaly

44.0774, 51.2832, 41.2937

Deuteranomaly

46.0187, 50.8781, 44.9311

Tritanomaly

42.1964, 52.2781, 61.2928

Monochromacy



Original Color

38.7115, 52.2844, 44.1280

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

41.2556, 47.7086, 47.5917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7115, 52.2844, 44.1280 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(132, 207, 166)` looks like.

```
.text, #text, p{  
    color:rgb(132, 207, 166)  
}
```

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(132, 207, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 207, 166) }
```

Border

The CSS property to change the border of an element to XYZ 38.7115, 52.2844, 44.1280 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(132, 207, 166) }
```


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

```
.border{ border-color:rgb(132, 207, 166) }
```

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

Here you see how a box with a 4 pixel rgb(132, 207, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 207, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 207, 166);  
box-shadow:4px 4px 4px 4px rgb(132, 207,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7115, 52.2844, 44.1280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 207, 166) }
```

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

```
.background{ background-color: rgb(132,  
207, 166) }
```

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