

Converting Colors

XYZ(37.1881, 46.2073, 38.8075)

Have a look what the booklet for
XYZ(37.1881, 46.2073, 38.8075)
contains.

XYZ(37.1110, 46.0855, 38.8377)	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(37.1110, 46.0855,
38.8377)**

Conversions

Conversions Part 1

Format	Color
Hex	95BF9D
RGB	149, 191, 157
RGB Percent	58%, 75%, 62%
CMY	0.4157, 0.2510, 0.3843
CMYK	0.22, 0.00, 0.18, 0.25
HSL	131°, 25%, 67%
HSV	131°, 22%, 75%
XYZ	37.1110, 46.0855, 38.8377
YIQ	174.5660, -14.1180, -19.4780

Conversions

Conversions Part 2

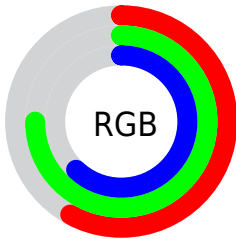
Format	Color
RYB	149, 184, 191
Decimal	9813917
CIELab	73.60, -20.76, 12.65
CIElCh	74, 24.312, 148.657
Yxy	46.0855, 0.3041, 0.3776
Android (android.graphics.Color)	4288003997 (0xFF95BF9D)
YUV	174.5660, -8.6600, -22.4214
Hunter-Lab	67.8863, -21.2215, 13.6006

Details

The XYZ color **37.1110, 46.0855, 38.8377** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.7821, 35.9911, 49.5992**, and the grayscale version is **40.5729, 42.6858, 46.4848**.

A 20% lighter version of the original color is **70.0463, 84.1124, 74.8308**, and **16.4769, 21.4733, 16.9120** is the 20% darker color. If you saturate the color by 10%, you get **32.6703, 43.9406, 32.1697**, and if you desaturate by 10%, it is **42.2928, 48.5958, 46.4145**.

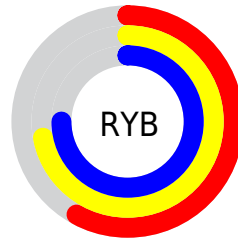
Distribution



Red (58%)

Green (75%)

Blue (62%)



Red (58%)

Yellow (72%)

Blue (75%)

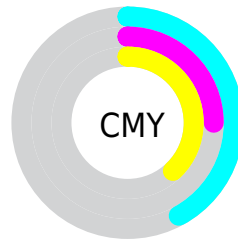


Cyan (22%)

Magenta (0%)

Yellow (18%)

Black (25%)



Cyan (42%)

Magenta (25%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1110, 46.0855, 38.8377 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 37.1110, 46.0855, 38.8377 by changing the saturation by 10% instead.

■ 37.1110, 46.0855,
38.8377

■ 37.1110, 46.0855,
38.8377

325.1380,
371.1523, 356.6053

■ 25.4675, 32.3133,
26.3266

■ 70.0562, 84.3469,
74.6079

■ 16.5563, 21.6009,
16.8402

■ 92.0886, 109.6050,
98.7042

■ 10.0120, 13.5640,
9.9599

118.3147,
139.4604, 127.4992

■ 5.4692, 7.8180,
5.2671

149.0999,
174.2976, 161.4116

■ 2.5627, 3.9787,
2.3434

184.8094,
214.5010, 200.8598

■ 0.9270, 1.6617,
0.7554

225.8087,

■ 0.0000, 0.3987,

260.4550, 246.2625

0.0000

272.4631,
312.5440, 298.0382

■ 0.0000, 0.0000,
0.0000

■ 37.1110, 46.0855,
38.8377

■ 37.1110, 46.0855,
38.8377

■ 32.6703, 43.9406,
32.1697

■ 42.2928, 48.5958,
46.4145

■ 28.9330, 42.1383,
26.3733

■ 48.2438, 51.4813,
54.9293

■ 25.8635, 40.6625,
21.4135

■ 54.9951, 54.7589,
64.4138

■ 23.4216, 39.4933,
17.2514

■ 62.5752, 58.4424,
74.8972

■ 21.5628, 38.6085,
13.8453

■ 71.0110, 62.5451,
86.4075

■ 20.2365, 37.9831,
11.1495

■ 77.0918, 65.4114,
98.8201

■ 19.3830, 37.5873,
9.1134

■ 77.9217, 65.7434,
103.1906

■ 18.9560, 37.3931,
7.9183

Harmonies

Analogous

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



39.9544, 46.0855, 32.1294



37.1110, 46.0855, 38.8377



36.0426, 46.0855, 49.6262

Triad

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



37.1110, 46.0855, 38.8377



43.6093, 46.0855, 77.7849



51.4700, 46.0855, 39.6539

Complementary

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



37.1110, 46.0855, 38.8377



40.7821, 35.9911, 49.5992

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.



52.6040, 46.0855, 50.7365



37.1110, 46.0855, 38.8377



47.8909, 46.0855, 73.9707

Square

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



37.1110, 46.0855, 38.8377



39.6395, 46.0855, 73.2540



51.2544, 46.0855, 63.5383



48.2481, 46.0855, 32.5436

Rectangle

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



37.1110, 46.0855, 38.8377



36.4237, 46.0855, 58.1460



51.2544, 46.0855, 63.5383



52.1169, 46.0855, 42.9757

Sweetspot

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



37.1122, 46.0874, 38.8387



80.7681, 89.4669, 90.3527



43.6573, 49.5379, 35.6950



17.5940, 19.5773, 19.6374



92.9021, 97.7402, 106.4391



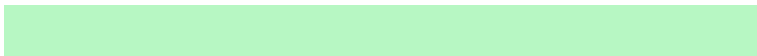
19.4759, 20.4902, 22.3138

Same Dimension

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



37.1122, 46.0874, 38.8387



62.7886, 80.7611, 64.0802



39.0324, 46.8555, 48.9502



9.4811, 10.6785, 10.5167



12.4797, 24.5822, 5.3230



0.5115, 0.9720, 0.3280

Inverse Universe

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



40.7821, 35.9911, 49.5992



70.4328, 59.7249, 86.4891



38.7830, 35.1915, 39.0719



9.8499, 9.6643, 11.5986



18.0156, 8.8374, 21.1734



0.7261, 0.3543, 0.9370

Previews

White Background



This preview shows how the XYZ color 37.1110, 46.0855, 38.8377 looks on a white background.

Color Contrast Check

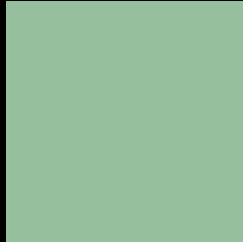
Large Text (above 18pt) WCAG AA × Fail

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 37.1110, 46.0855, 38.8377 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

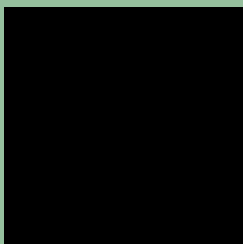
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

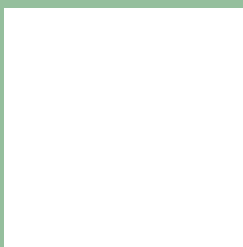
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1110, 46.0855, 38.8377

Background



This preview shows how black text looks on a background with the XYZ color 37.1110, 46.0855, 38.8377.



This preview shows how white text looks on a background with the XYZ color 37.1110, 46.0855,

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

37.1110, 46.0855, 38.8377

Protanopia

43.1424, 45.8240, 35.8492

Deuteranopia

46.7459, 45.8244, 40.0994



Tritanopia

41.6789, 46.0362, 61.3327

Trichromacy



Original Color

37.1110, 46.0855, 38.8377

Protanomaly

40.5695, 45.6948, 36.8187

Deuteranomaly

42.6740, 45.4949, 39.7899

Tritanomaly

39.7485, 45.8714, 52.1065

Monochromacy



Original Color

37.1110, 46.0855, 38.8377

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.3176, 43.9819, 43.4629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1110, 46.0855, 38.8377 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(149, 191, 157)` looks like.

```
.text, #text, p{  
    color:rgb(149, 191, 157)  
}
```

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(149, 191, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 191, 157) }
```

Border

The CSS property to change the border of an element to XYZ 37.1110, 46.0855, 38.8377 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(149, 191, 157) }
```


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

```
.border{ border-color:rgb(149, 191, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 191, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 191, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 191, 157);  
box-shadow:4px 4px 4px 4px rgb(149, 191,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1110, 46.0855, 38.8377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 191, 157) }
```

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

```
.background{ background-color: rgb(149,  
191, 157) }
```

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