

Converting Colors

XYZ(36.4214, 40.9636, 51.1157)

Have a look what the booklet for
XYZ(36.4214, 40.9636, 51.1157)
contains.

XYZ(36.3898, 40.8073, 51.3060)	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(36.3898, 40.8073,
51.3060)**

Conversions

Conversions Part 1

Format	Color
Hex	94B0B8
RGB	148, 176, 184
RGB Percent	58%, 69%, 72%
CMY	0.4196, 0.3098, 0.2784
CMYK	0.20, 0.04, 0.00, 0.28
HSL	193°, 20%, 65%
HSV	193°, 20%, 72%
XYZ	36.3898, 40.8073, 51.3060
YIQ	168.5400, -19.2560, -3.4480

Conversions

Conversions Part 2

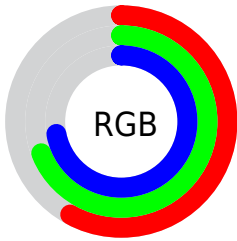
Format	Color
RYB	148, 164, 184
Decimal	9744568
CIELab	70.04, -7.80, -7.29
CIELCh	70, 10.674, 223.047
Yxy	40.8073, 0.2832, 0.3176
Android (android.graphics.Color)	4287934648 (0xFF94B0B8)
YUV	168.5400, 7.6218, -18.0136
Hunter-Lab	63.8806, -10.1079, -2.9026

Details

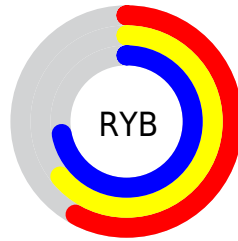
The XYZ color **36.3898, 40.8073, 51.3060** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.0012, 36.1053, 33.0366**, and the grayscale version is **37.4564, 39.4070, 42.9143**.

A 20% lighter version of the original color is **69.2134, 76.7010, 93.5949**, and **16.2342, 18.5954, 24.2064** is the 20% darker color. If you saturate the color by 10%, you get **32.5334, 37.6483, 50.9002**, and if you desaturate by 10%, it is **40.8019, 44.2907, 51.7465**.

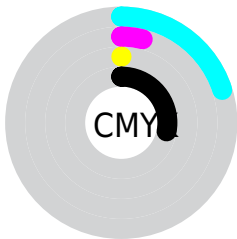
Distribution



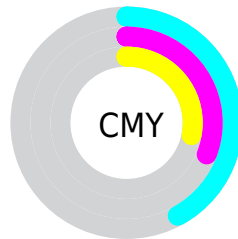
- Red (58%)
- Green (69%)
- Blue (72%)



- Red (58%)
- Yellow (64%)
- Blue (72%)



- Cyan (20%)
- Magenta (4%)
- Yellow (0%)
- Black (28%)



- Cyan (42%)
- Magenta (31%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3898, 40.8073, 51.3060 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 36.3898, 40.8073, 51.3060 by changing the saturation by 10% instead.

■ 36.3898, 40.8073,
51.3060

■ 36.3898, 40.8073,
51.3060

322.0627,
349.5146, 408.6319

■ 24.9069, 28.1685,
36.0738

■ 68.9532, 76.3913,
93.5231

■ 16.1361, 18.4527,
24.2010

■ 90.7645, 100.1053,
121.3450

■ 9.7119, 11.2755,
15.2692

116.7492,
128.2799, 154.2005

■ 5.2692, 6.2525,
8.8598

147.2728,
161.2994, 192.5083

■ 2.4424, 2.9992,
4.5543

182.7006,
199.5482, 236.6868

■ 0.8663, 1.1313,
1.9341

223.3979,

■ 0.0000, 0.0045,

243.4107, 287.1545

0.5143

269.7302,
293.2714, 344.3300

■ 0.0000, 0.0000,
0.0000

■ 36.3898, 40.8073,
51.3060

■ 36.3898, 40.8073,
51.3060

■ 32.5334, 37.6483,
50.9002

■ 40.8019, 44.2907,
51.7465

■ 29.2038, 34.7954,
50.5250

■ 45.7894, 48.1058,
52.2200

■ 26.3751, 32.2358,
50.1800

■ 51.3758, 52.2661,
52.7286

■ 24.0177, 29.9542,
49.8639

■ 57.5819, 56.7826,
53.2733

■ 22.0985, 27.9330,
49.5749

■ 64.4276, 61.6659,
53.8550

■ 20.5803, 26.1527,
49.3113

■ 70.6690, 66.2750,
54.4157

■ 19.4189, 24.5903,
49.0709

■ 71.6317, 68.2004,
54.7366

■ 18.5299, 23.2019,
48.8498

■ 72.6199, 70.1769,
55.0660

■ 18.4931, 23.1432,
48.8404

■ 73.6339, 72.2048,
55.4040

Harmonies

Analogous

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



35.6142, 40.8073, 46.6328



36.3898, 40.8073, 51.3060



37.8178, 40.8073, 54.2526

Triad

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



36.3898, 40.8073, 51.3060



42.0786, 40.8073, 47.2880



38.0350, 40.8073, 35.7282

Complementary

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



36.3898, 40.8073, 51.3060



37.0012, 36.1053, 33.0366

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.



39.7709, 40.8073, 35.8747



36.3898, 40.8073, 51.3060



42.1410, 40.8073, 42.3020

Square

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



36.3898, 40.8073, 51.3060



41.1173, 40.8073, 51.8165



41.2854, 40.8073, 38.2015



36.5447, 40.8073, 37.7851

Rectangle

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



36.3898, 40.8073, 51.3060



38.9644, 40.8073, 54.7146



41.2854, 40.8073, 38.2015



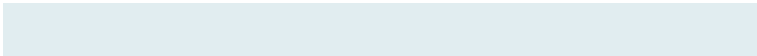
38.6084, 40.8073, 35.5262

Sweetspot

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



36.3910, 40.8090, 51.3069



76.9753, 82.6143, 94.0937



35.3378, 42.9711, 37.7963



16.4715, 17.7155, 20.2729



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.



36.3910, 40.8090, 51.3069



63.1804, 71.7203, 92.7180



33.1262, 34.2794, 50.2187



9.0929, 9.8630, 11.5039



12.7994, 16.0584, 33.6781



0.4937, 0.6510, 1.2014

Inverse Universe

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



38.1945, 34.5056, 45.7235



67.0200, 58.5617, 80.7722



40.2106, 42.5241, 34.1064



9.2932, 9.1277, 10.8915



17.0742, 8.4034, 18.8094



0.6233, 0.3048, 0.7759

Previews

White Background



This preview shows how the XYZ color 36.3898, 40.8073, 51.3060 looks on a white background.

Color Contrast Check

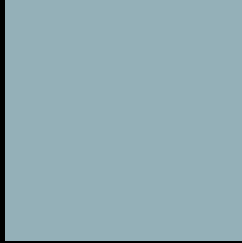
Large Text (above 18pt) WCAG AA × Fail

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 36.3898, 40.8073, 51.3060 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

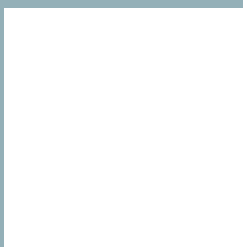
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3898, 40.8073, 51.3060

Background



This preview shows how black text looks on a background with the XYZ color 36.3898, 40.8073, 51.3060.



This preview shows how white text looks on a background with the XYZ color 36.3898, 40.8073,

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

36.3898, 40.8073, 51.3060

Protanopia

39.4075, 40.7027, 48.9594

Deuteranopia

41.3215, 40.5209, 52.0978



Tritanopia

36.9097, 40.7236, 54.0592

Trichromacy



Original Color

36.3898, 40.8073, 51.3060

Protanomaly

38.1973, 40.6278, 49.5448

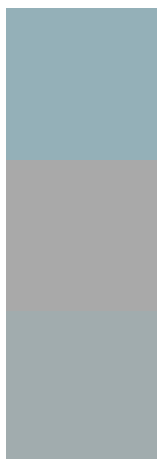
Deuteranomaly

39.2801, 40.5771, 51.6608

Tritanomaly

36.6940, 40.6374, 52.9235

Monochromacy



Original Color

36.3898, 40.8073, 51.3060

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.0904, 40.1381, 45.8370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3898, 40.8073, 51.3060 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(148, 176, 184) looks like.

```
.text, #text, p{  
    color:rgb(148, 176, 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(148, 176, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 176, 184) }
```

Border

The CSS property to change the border of an element to XYZ 36.3898, 40.8073, 51.3060 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(148, 176, 184) }
```


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

```
.border{ border-color:rgb(148, 176, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 176, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 176, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 176, 184);  
box-shadow:4px 4px 4px 4px rgb(148, 176,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3898, 40.8073, 51.3060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 176, 184) }
```

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

```
.background{ background-color: rgb(148,  
176, 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