

Converting Colors

XYZ(37.5129, 41.7087, 51.0769)

Have a look what the booklet for
XYZ(37.5129, 41.7087, 51.0769)
contains.

XYZ(37.4063, 41.6355, 50.8647)	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(37.4063, 41.6355,
50.8647)**

Conversions

Conversions Part 1

Format	Color
Hex	99B1B7
RGB	153, 177, 183
RGB Percent	60%, 69%, 72%
CMY	0.4000, 0.3059, 0.2823
CMYK	0.16, 0.03, 0.00, 0.28
HSL	192°, 17%, 66%
HSV	192°, 16%, 72%
XYZ	37.4063, 41.6355, 50.8647
YIQ	170.5080, -16.2300, -3.2220

Conversions

Conversions Part 2

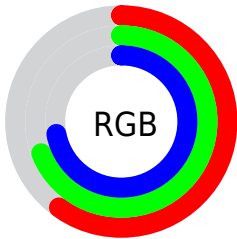
Format	Color
R_YB	153, 166, 183
Decimal	10072503
CIE _{Lab}	70.62, -6.94, -5.84
CIE _{LCh}	71, 9.074, 220.076
Yxy	41.6355, 0.2879, 0.3205
Android (android.graphics.Color)	4288262583 (0xFF99B1B7)
YUV	170.5080, 6.1586, -15.3545
Hunter-Lab	64.5256, -9.4410, -1.5697

Details

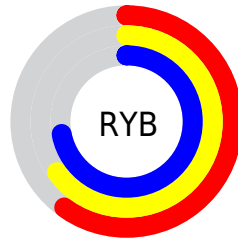
The XYZ color **37.4063, 41.6355, 50.8647** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.6767, 37.1635, 35.3254**, and the grayscale version is **38.4391, 40.4409, 44.0402**.

A 20% lighter version of the original color is **70.7313, 77.9197, 92.9734**, and **16.7164, 18.8518, 23.8768** is the 20% darker color. If you saturate the color by 10%, you get **33.5010, 38.5648, 50.4785**, and if you desaturate by 10%, it is **41.8632, 45.0215, 51.2840**.

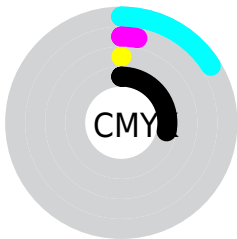
Distribution



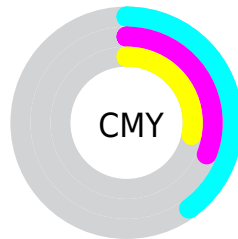
- Red (60%)
- Green (69%)
- Blue (72%)



- Red (60%)
- Yellow (65%)
- Blue (72%)



- Cyan (16%)
- Magenta (3%)
- Yellow (0%)
- Black (28%)



- Cyan (40%)
- Magenta (31%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4063, 41.6355, 50.8647 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 37.4063, 41.6355, 50.8647 by changing the saturation by 10% instead.

■ 37.4063, 41.6355,
50.8647

■ 37.4063, 41.6355,
50.8647

326.3913,
352.9697, 406.8694

■ 25.6973, 28.8160,
35.7250

■ 70.5070, 77.6477,
92.8642

■ 16.7288, 18.9417,
23.9338

■ 92.6295, 101.6091,
120.5610

■ 10.1355, 11.6281,
15.0728

118.9538,
130.0533, 153.2807

■ 5.5518, 6.4910,
8.7233

149.8454,
163.3647, 191.4416

■ 2.6126, 3.1459,
4.4668

185.6696,
201.9276, 235.4624

■ 0.9524, 1.2084,
1.8848

226.7918,

■ 0.0000, 0.0685,

246.1265, 285.7616

0.4830

273.5772,
296.3457, 342.7578

■ 0.0000, 0.0000,
0.0000

■ 37.4063, 41.6355,
50.8647

■ 37.4063, 41.6355,
50.8647

■ 33.5010, 38.5648,
50.4785

■ 41.8632, 45.0215,
51.2840

■ 30.1194, 35.7916,
50.1214

■ 46.8906, 48.7294,
51.7348

■ 27.2367, 33.3039,
49.7932

■ 52.5112, 52.7724,
52.2189

■ 24.8244, 31.0868,
49.4924

■ 58.7453, 57.1610,
52.7374

■ 22.8513, 29.1239,
49.2175

■ 65.6120, 61.9054,
53.2913

■ 21.2821, 27.3970,
48.9669

■ 70.2005, 65.5053,
53.7442

■ 20.0759, 25.8845,
48.7385

■ 71.0523, 67.2087,
54.0282

■ 19.1784, 24.5583,
48.5299

■ 71.9244, 68.9529,
54.3189

■ 18.8904, 24.1050,
48.4575

■ 72.8170, 70.7382,
54.6164

Harmonies

Analogous

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



36.7999, 41.6355, 46.7951



37.4063, 41.6355, 50.8647



38.5982, 41.6355, 53.5548

Triad

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



37.4063, 41.6355, 50.8647



42.3483, 41.6355, 48.2086



39.0706, 41.6355, 37.6752

Complementary

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



37.4063, 41.6355, 50.8647



37.6767, 37.1635, 35.3254

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.



40.5647, 41.6355, 38.0006



37.4063, 41.6355, 50.8647



42.4826, 41.6355, 43.9036

Square

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



37.4063, 41.6355, 50.8647



41.4601, 41.6355, 51.9555



41.8224, 41.6355, 40.2195



37.7446, 41.6355, 39.3004

Rectangle

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



37.4063, 41.6355, 50.8647



39.5771, 41.6355, 54.1095



41.8224, 41.6355, 40.2195



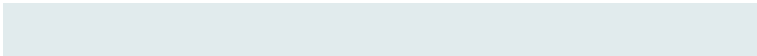
39.5695, 41.6355, 37.5626

Sweetspot

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



37.4075, 41.6372, 50.8656



76.0958, 81.4682, 91.9500



36.2859, 43.1259, 38.9864



16.6744, 17.8948, 20.2968



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.



37.4075, 41.6372, 50.8656



64.1254, 72.3385, 90.8187



34.6935, 36.2093, 49.9610



9.1101, 9.8974, 11.5097



13.2271, 16.9140, 33.8207



0.5056, 0.6749, 1.2054

Inverse Universe

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



38.8565, 36.0251, 46.5025



67.2855, 60.3191, 81.2536



40.3186, 42.4473, 36.2060



9.3019, 9.1311, 10.9372



17.2901, 8.4898, 19.9464



0.6294, 0.3072, 0.8077

Previews

White Background



This preview shows how the XYZ color 37.4063, 41.6355, 50.8647 looks on a white background.

Color Contrast Check

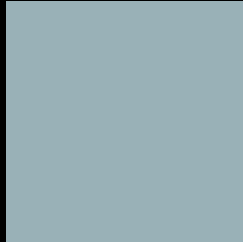
Large Text (above 18pt) WCAG AA × Fail

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 37.4063, 41.6355, 50.8647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

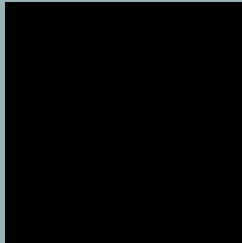
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

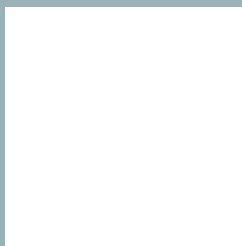
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4063, 41.6355, 50.8647

Background



This preview shows how black text looks on a background with the XYZ color 37.4063, 41.6355, 50.8647.



This preview shows how white text looks on a background with the XYZ color 37.4063, 41.6355,

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

37.4063, 41.6355, 50.8647

Protanopia

40.0347, 41.3053, 49.0427

Deuteranopia

42.1041, 41.2075, 51.6337



Tritanopia

38.1460, 41.6384, 54.7417

Trichromacy



Original Color

37.4063, 41.6355, 50.8647

Protanomaly

39.0099, 41.3303, 49.6376

Deuteranomaly

40.2279, 41.3572, 51.2099

Tritanomaly

37.8214, 41.5085, 53.0323

Monochromacy



Original Color

37.4063, 41.6355, 50.8647

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.9913, 40.8748, 46.4447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4063, 41.6355, 50.8647 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, 177, 183)` looks like.

```
.text, #text, p{  
    color:rgb(153, 177, 183)  
}
```

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, 177, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 177, 183) }
```

Border

The CSS property to change the border of an element to XYZ 37.4063, 41.6355, 50.8647 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, 177, 183) }
```


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

```
.border{ border-color:rgb(153, 177, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 177, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 177, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 177, 183);  
box-shadow:4px 4px 4px 4px rgb(153, 177,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4063, 41.6355, 50.8647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 177, 183) }
```

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

```
.background{ background-color: rgb(153,  
177, 183) }
```

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