

Converting Colors

XYZ(37.6464, 38.9721, 50.6661)

Have a look what the booklet for
XYZ(37.6464, 38.9721, 50.6661)
contains.

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Color

**XYZ(37.5747, 38.8847,
50.8725)**

Conversions

Conversions Part 1

Format	Color
Hex	A3A7B8
RGB	163, 167, 184
RGB Percent	64%, 65%, 72%
CMY	0.3608, 0.3451, 0.2784
CMYK	0.11, 0.09, 0.00, 0.28
HSL	229°, 13%, 68%
HSV	229°, 11%, 72%
XYZ	37.5747, 38.8847, 50.8725
YIQ	167.7420, -7.8410, 4.4390

Conversions

Conversions Part 2

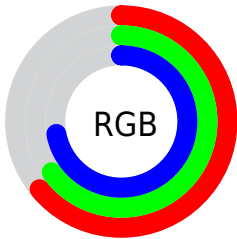
Format	Color
R_{YB}	163, 166, 184
Decimal	10725304
CIE Lab	68.67, 2.02, -9.21
CIE LCh	69, 9.432, 282.343
Yxy	38.8847, 0.2951, 0.3054
Android (android.graphics.Color)	4288915384 (0xFFA3A7B8)
YUV	167.7420, 8.0152, -4.1587
Hunter-Lab	62.3576, -1.5674, -4.7196

Details

The XYZ color **37.5747, 38.8847, 50.8725** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.6994, 45.4768, 41.1784**, and the grayscale version is **37.0587, 38.9886, 42.4586**.

A 20% lighter version of the original color is **70.7629, 73.4392, 92.8837**, and **16.7830, 17.2797, 23.9235** is the 20% darker color. If you saturate the color by 10%, you get **31.5050, 31.9368, 49.8519**, and if you desaturate by 10%, it is **44.5091, 46.7469, 52.0252**.

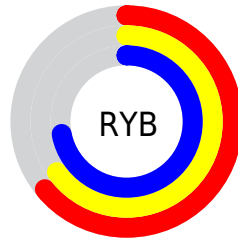
Distribution



Red (64%)

Green (65%)

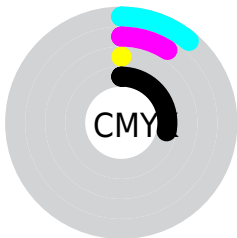
Blue (72%)



Red (64%)

Yellow (65%)

Blue (72%)

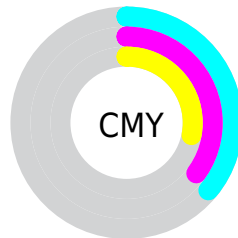


Cyan (11%)

Magenta (9%)

Yellow (0%)

Black (28%)



Cyan (36%)

Magenta (35%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5747, 38.8847, 50.8725 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 37.5747, 38.8847, 50.8725 by changing the saturation by 10% instead.

■ 37.5747, 38.8847,
50.8725

■ 37.5747, 38.8847,
50.8725

327.1045,
341.4000, 406.9006

■ 25.8285, 26.6700,
35.7311

■ 70.7639, 73.4621,
92.8759

■ 16.8274, 17.3256,
23.9386

■ 92.9376, 96.5937,
120.5749

■ 10.2060, 10.4669,
15.0763

119.3178,
124.1331, 153.2969

■ 5.5991, 5.7096,
8.7257

150.2700,
156.4646, 191.4605

■ 2.6412, 2.6693,
4.4684

186.1593,
193.9726, 235.4841

■ 0.9670, 0.9616,
1.8856

227.3513,

■ 0.0000, 0.0000,

237.0416, 285.7863

0.4836

274.2113,
286.0560, 342.7856

■ 0.0000, 0.0000,
0.0000

■ 37.5747, 38.8847,
50.8725

■ 37.5747, 38.8847,
50.8725

■ 31.5050, 31.9368,
49.8519

■ 44.5091, 46.7469,
52.0252

■ 26.2624, 25.8650,
48.9563

■ 52.3369, 55.5500,
53.3118

■ 21.8115, 20.6354,
48.1815

■ 61.0900, 65.3260,
54.7374

■ 18.1131, 16.2102,
47.5222

■ 70.7974, 76.1034,
56.3060

■ 15.1244, 12.5484,
46.9729

■ 81.4862, 87.9094,
58.0214

■ 12.7984, 9.6054,
46.5275

■ 85.6518, 96.2407,
59.4100

■ 11.0820, 7.3319,
46.1791

■ 9.9134, 5.6716,
45.9202

■ 9.2550, 4.6670,
45.7610

Harmonies

Analogous

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



36.0964, 38.8847, 50.6503



37.5747, 38.8847, 50.8725



38.9227, 38.8847, 48.6989

Triad

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



37.5747, 38.8847, 50.8725



39.1174, 38.8847, 37.0481



34.2949, 38.8847, 39.8981

Complementary

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



37.5747, 38.8847, 50.8725



42.6994, 45.4768, 41.1784

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.



35.0620, 38.8847, 36.5581



37.5747, 38.8847, 50.8725



37.8347, 38.8847, 34.9903

Square

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



37.5747, 38.8847, 50.8725



39.8293, 38.8847, 40.6086



36.3496, 38.8847, 34.8172



34.2295, 38.8847, 44.1175

Rectangle

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



37.5747, 38.8847, 50.8725



39.5554, 38.8847, 46.2635



36.3496, 38.8847, 34.8172



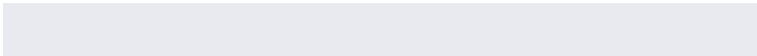
34.4783, 38.8847, 38.6426

Sweetspot

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



37.5759, 38.8863, 50.8734



78.5164, 82.2917, 93.9502



40.4632, 45.3553, 49.6957



16.7006, 17.4849, 20.2163



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.



37.5759, 38.8863, 50.8734



64.8549, 66.7721, 91.6747



38.1762, 38.1240, 50.6946



8.6560, 8.9892, 11.3583



6.4181, 3.2959, 31.5510



0.2682, 0.2001, 1.1262

Inverse Universe

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



39.8403, 39.1756, 42.0230



69.8906, 67.4645, 71.9822



42.0433, 46.3555, 41.3826



9.0727, 9.0394, 9.7302



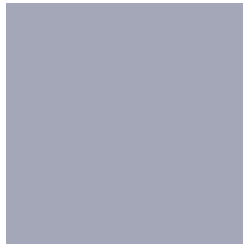
13.8532, 7.1151, 1.8481



0.5095, 0.2593, 0.1767

Previews

White Background



This preview shows how the XYZ color 37.5747, 38.8847, 50.8725 looks on a white background.

Color Contrast Check

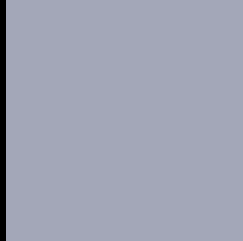
Large Text (above 18pt) WCAG AA × Fail

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 37.5747, 38.8847, 50.8725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

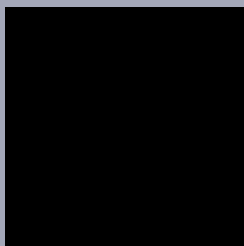
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

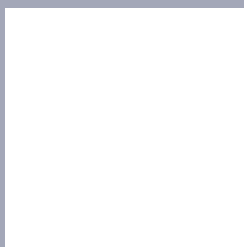
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5747, 38.8847, 50.8725

Background



This preview shows how black text looks on a background with the XYZ color 37.5747, 38.8847, 50.8725.

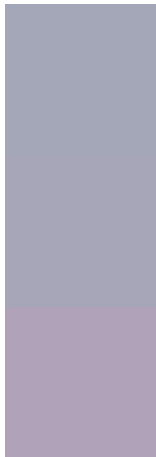


This preview shows how white text looks on a background with the XYZ color 37.5747, 38.8847,

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

37.5747, 38.8847, 50.8725

Protanopia

38.0138, 38.8401, 50.8407

Deuteranopia

39.7586, 38.9273, 51.3171



Tritanopia

37.2434, 39.0228, 49.2853

Trichromacy



Original Color

37.5747, 38.8847, 50.8725

Protanomaly

37.8050, 38.7325, 50.8310

Deuteranomaly

38.8270, 38.7116, 51.3246

Tritanomaly

37.3464, 39.0640, 49.8277

Monochromacy



Original Color

37.5747, 38.8847, 50.8725

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.3685, 39.1682, 45.6351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5747, 38.8847, 50.8725 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(163, 167, 184)` looks like.

```
.text, #text, p{  
    color:rgb(163, 167, 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(163, 167, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 167, 184) }
```

Border

The CSS property to change the border of an element to XYZ 37.5747, 38.8847, 50.8725 is called "border". The border property can be set on classes, ids or directly on the HTML element.

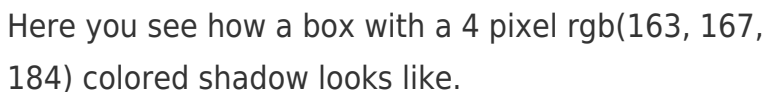
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(163, 167, 184) }
```


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

```
.border{ border-color:rgb(163, 167, 184) }
```

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



Here you see how a box with a 4 pixel `rgb(163, 167, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(163, 167, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(163, 167, 184); box-shadow:4px 4px 4px 4px rgb(163, 167, 184) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5747, 38.8847, 50.8725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 167, 184) }
```

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

```
.background{ background-color: rgb(163,  
167, 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](#).

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