

Converting Colors

XYZ(36.8562, 37.9313, 47.7935)

Have a look what the booklet for
XYZ(36.8562, 37.9313, 47.7935)
contains.

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Color

**XYZ(36.9017, 38.0575,
48.0487)**

Conversions

Conversions Part 1

Format	Color
Hex	A4A5B3
RGB	164, 165, 179
RGB Percent	64%, 65%, 70%
CMY	0.3569, 0.3529, 0.2980
CMYK	0.08, 0.08, 0.00, 0.30
HSL	236°, 9%, 67%
HSV	236°, 8%, 70%
XYZ	36.9017, 38.0575, 48.0487
YIQ	166.2970, -5.0900, 4.1420

Conversions

Conversions Part 2

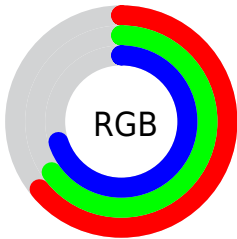
Format	Color
RYB	164, 165, 179
Decimal	10790323
CIELab	68.06, 2.42, -7.33
CIElCh	68, 7.719, 288.260
Yxy	38.0575, 0.3000, 0.3094
Android (android.graphics.Color)	4288980403 (0xFFA4A5B3)
YUV	166.2970, 6.2626, -2.0145
Hunter-Lab	61.6908, -1.1851, -2.9953

Details

The XYZ color **36.9017, 38.0575, 48.0487** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.2118, 44.1045, 41.4637**, and the grayscale version is **36.3625, 38.2562, 41.6610**.

A 20% lighter version of the original color is **69.8020, 72.2446, 88.8629**, and **16.3531, 16.7614, 22.1120** is the 20% darker color. If you saturate the color by 10%, you get **30.6459, 30.6491, 46.9490**, and if you desaturate by 10%, it is **44.0732, 46.5242, 49.3055**.

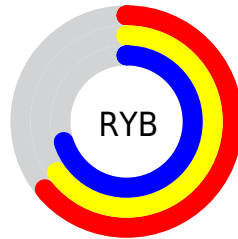
Distribution



Red (64%)

Green (65%)

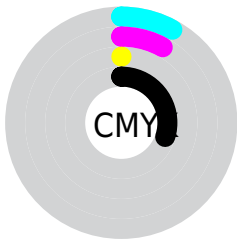
Blue (70%)



Red (64%)

Yellow (65%)

Blue (70%)

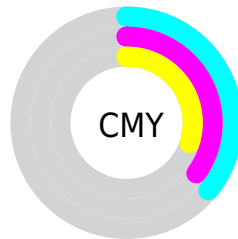


Cyan (8%)

Magenta (8%)

Yellow (0%)

Black (30%)



Cyan (36%)

Magenta (35%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9017, 38.0575, 48.0487 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 36.9017, 38.0575, 48.0487 by changing the saturation by 10% instead.

■ 36.9017, 38.0575,
48.0487

■ 36.9017, 38.0575,
48.0487

324.2477,
337.8666, 395.4994

■ 25.3047, 26.0273,
33.5052

■ 69.7364, 72.1963,
88.6432

■ 16.4342, 16.8441,
22.2395

■ 91.7048, 95.0736,
115.5313

■ 9.9247, 10.1234,
13.8330

117.8611,
122.3355, 147.3713

■ 5.4109, 5.4808,
7.8672

148.5705,
154.3663, 184.5818

■ 2.5275, 2.5321,
3.9235

184.1986,
191.5504, 227.5813

■ 0.9092, 0.8926,
1.5835

225.1106,

■ 0.0000, 0.0000,

234.2722, 276.7884

0.2790

271.6718,
282.9162, 332.6216

■ 0.0000, 0.0000,
0.0000

■ 36.9017, 38.0575,
48.0487

■ 36.9017, 38.0575,
48.0487

■ 30.6459, 30.6491,
46.9490

■ 44.0732, 46.5242,
49.3055

■ 25.2658, 24.2528,
45.9980

■ 52.1916, 56.0835,
50.7228

■ 20.7232, 18.8260,
45.1899

■ 61.2911, 66.7740,
52.3067

■ 16.9759, 14.3214,
44.5180

■ 71.4027, 78.6312,
54.0624

■ 13.9781, 10.6877,
43.9746

■ 82.5564, 91.6889,
55.9949

■ 11.6792, 7.8683,
43.5516

■ 85.1368, 96.0347,
56.6978

■ 10.0223, 5.8004,
43.2397

■ 8.9416, 4.4115,
43.0286

■ 8.3393, 3.6058,
42.9048

Harmonies

Analogous

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



35.7042, 38.0575, 48.2641



36.9017, 38.0575, 48.0487



37.9250, 38.0575, 46.0039

Triad

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



36.9017, 38.0575, 48.0487



37.7335, 38.0575, 36.6917



33.9560, 38.0575, 40.1056

Complementary

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



36.9017, 38.0575, 48.0487



41.2118, 44.1045, 41.4637

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.



34.4748, 38.0575, 37.1849



36.9017, 38.0575, 48.0487



36.6449, 38.0575, 35.2882

Square

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



36.9017, 38.0575, 48.0487



38.4125, 38.0575, 39.3981



35.4530, 38.0575, 35.4635



34.0213, 38.0575, 43.5474

Rectangle

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



36.9017, 38.0575, 48.0487



38.3626, 38.0575, 43.9391



35.4530, 38.0575, 35.4635



34.0674, 38.0575, 39.0340

Sweetspot

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



36.9028, 38.0591, 48.0495



72.7267, 76.0011, 87.2178



39.4414, 43.3377, 48.2748



15.8847, 16.5689, 19.2832



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



36.9028, 38.0591, 48.0495



63.9677, 65.6506, 85.6815



38.0445, 38.3803, 48.0514



8.0861, 8.3183, 10.6857



5.8607, 2.5219, 30.3149



0.1994, 0.1094, 0.9588

Inverse Universe

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



38.6583, 38.8521, 41.0609



67.7396, 67.3620, 70.6635



39.9999, 43.7769, 41.4643



8.5186, 8.5142, 8.9636



13.1929, 6.7947, 0.9098



0.4227, 0.2168, 0.0685

Previews

White Background



This preview shows how the XYZ color 36.9017, 38.0575, 48.0487 looks on a white background.

Color Contrast Check

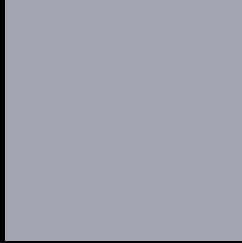
Large Text (above 18pt) WCAG AA × Fail

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 36.9017, 38.0575, 48.0487 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

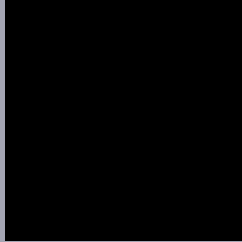
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9017, 38.0575, 48.0487

Background



This preview shows how black text looks on a background with the XYZ color 36.9017, 38.0575, 48.0487.

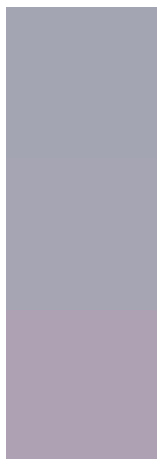


This preview shows how white text looks on a background with the XYZ color 36.9017, 38.0575,

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

36.9017, 38.0575, 48.0487

Protanopia

37.1089, 38.1643, 48.0584

Deuteranopia

38.6623, 37.8990, 48.4575



Tritanopia

36.8009, 38.0171, 47.5179

Trichromacy



Original Color

36.9017, 38.0575, 48.0487

Protanomaly

37.1089, 38.1643, 48.0584

Deuteranomaly

37.9531, 37.7939, 48.4746

Tritanomaly

36.8009, 38.0171, 47.5179

Monochromacy



Original Color

36.9017, 38.0575, 48.0487

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.5040, 38.2120, 43.9798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9017, 38.0575, 48.0487 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(164, 165, 179)` looks like.

```
.text, #text, p{  
    color:rgb(164, 165, 179)  
}
```

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(164, 165, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 165, 179) }
```

Border

The CSS property to change the border of an element to XYZ 36.9017, 38.0575, 48.0487 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(164, 165, 179) }
```


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

```
.border{ border-color:rgb(164, 165, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 165, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 165, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 165, 179);  
box-shadow:4px 4px 4px 4px rgb(164, 165,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9017, 38.0575, 48.0487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 165, 179) }
```

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

```
.background{ background-color: rgb(164,  
165, 179) }
```

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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