

Converting Colors

XYZ(38.1855, 36.4302, 43.8276)

Have a look what the booklet for
XYZ(38.1855, 36.4302, 43.8276)
contains.

XYZ(38.1573, 36.4588, 44.0559)	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(38.1573, 36.4588,
44.0559)**

Conversions

Conversions Part 1

Format	Color
Hex	B49CAC
RGB	180, 156, 172
RGB Percent	71%, 61%, 67%
CMY	0.2941, 0.3882, 0.3255
CMYK	0.00, 0.13, 0.04, 0.29
HSL	320°, 14%, 66%
HSV	320°, 13%, 71%
XYZ	38.1573, 36.4588, 44.0559
YIQ	165.0000, 9.1680, 10.0640

Conversions

Conversions Part 2

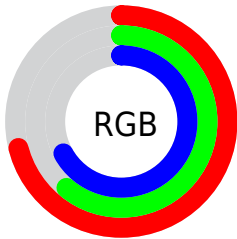
Format	Color
RYB	180, 156, 172
Decimal	11836588
CIELab	66.87, 11.66, -5.05
CIELCh	67, 12.702, 336.582
Yxy	36.4588, 0.3215, 0.3072
Android (android.graphics.Color)	4290026668 (0xFFB49CAC)
YUV	165.0000, 3.4510, 13.1550
Hunter-Lab	60.3811, 7.1345, -0.9930

Details

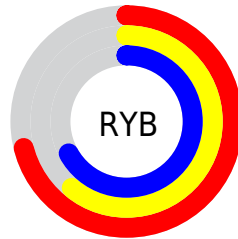
The XYZ color **38.1573, 36.4588, 44.0559** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.7339, 42.3919, 41.3704**, and the grayscale version is **35.7460, 37.6075, 40.9546**.

A 20% lighter version of the original color is **71.7515, 69.9674, 82.3964**, and **17.1941, 15.9712, 19.9458** is the 20% darker color. If you saturate the color by 10%, you get **34.7947, 30.6348, 40.1557**, and if you desaturate by 10%, it is **41.9957, 43.1917, 48.2439**.

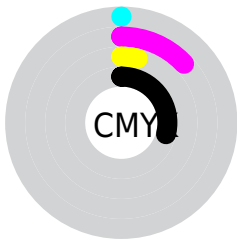
Distribution



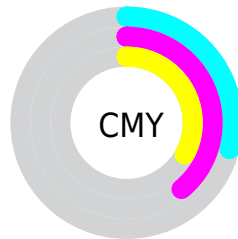
- Red (71%)
- Green (61%)
- Blue (67%)



- Red (71%)
- Yellow (61%)
- Blue (67%)



- Cyan (0%)
- Magenta (13%)
- Yellow (4%)
- Black (29%)





- Cyan (29%)
- Magenta (39%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1573, 36.4588, 44.0559 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 38.1573, 36.4588, 44.0559 by changing the saturation by 10% instead.


 38.1573, 36.4588,
44.0559

 38.1573, 36.4588,
44.0559


329.5635,
330.9615, 378.9844

 26.2826, 24.7887,
30.3769

 71.6515, 69.7396,
82.6052

 17.1689, 15.9197,
19.8704


 94.0017, 92.1192,
108.3127

 10.4511, 9.4674,
12.1177

120.5744,
118.8374, 138.8667

 5.7636, 5.0473,
6.7004

151.7350,
150.2786, 174.6858

 2.7412, 2.2750,
3.1999

187.8489,
186.8272, 216.1886

 1.0184, 0.7604,
1.1976

229.2814,

 0.0000, 0.0000,

228.8676, 263.7936

0.0000

276.3978,
276.7842, 317.9194

■ 38.1573, 36.4588,
44.0559

■ 38.1573, 36.4588,
44.0559

■ 34.7947, 30.6348,
40.1557

■ 41.9957, 43.1917,
48.2439

■ 31.8847, 25.6754,
36.5327

■ 46.3253, 50.8655,
52.7254

■ 29.4070, 21.5400,
33.1789

■ 51.1651, 59.5168,
57.5086

■ 27.3384, 18.1827,
30.0847

■ 56.5317, 69.1786,
62.6006

■ 25.6533, 15.5532,
27.2399

■ 62.4412, 79.8825,
68.0084

■ 24.3234, 13.5951,
24.6331

■ 65.9686, 85.7778,
72.7585

■ 23.3160, 12.2437,
22.2517

■ 66.7212, 86.0789,
76.7215

■ 22.5919, 11.4216,
20.0807

■ 67.5020, 86.3912,
80.8333

■ 22.2124, 11.0593,
18.7308

■ 68.3114, 86.7149,
85.0953

Harmonies

Analogous

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



36.9033, 36.4588, 48.8209



38.1573, 36.4588, 44.0559



38.4568, 36.4588, 38.4962

Triad

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



38.1573, 36.4588, 44.0559



34.2310, 36.4588, 30.0811



31.7683, 36.4588, 46.3476

Complementary

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



38.1573, 36.4588, 44.0559



36.7339, 42.3919, 41.3704

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.



31.1086, 36.4588, 40.9234



38.1573, 36.4588, 44.0559



32.4961, 36.4588, 31.7879

Square

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



38.1573, 36.4588, 44.0559



36.1432, 36.4588, 30.7529



31.3701, 36.4588, 35.6363



33.2043, 36.4588, 50.2272

Rectangle

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



38.1573, 36.4588, 44.0559



38.0654, 36.4588, 35.1457



31.3701, 36.4588, 35.6363



31.4509, 36.4588, 44.6261

Sweetspot

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



38.1584, 36.4604, 44.0567



75.6032, 77.3577, 86.8978



35.4380, 34.9665, 48.0621



16.2229, 16.5125, 18.6561



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.



38.1584, 36.4604, 44.0567



67.3062, 62.8343, 77.7487



37.0573, 36.0200, 38.2588



8.7272, 8.5976, 10.0617



15.5348, 7.7315, 13.2421



0.5145, 0.2536, 0.5521

Inverse Universe

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



38.1584, 36.4604, 44.0567



67.3062, 62.8343, 77.7487



37.8693, 42.8460, 47.3494



8.7272, 8.5976, 10.0617



15.5348, 7.7315, 13.2421



0.5145, 0.2536, 0.5521

Previews

White Background



This preview shows how the XYZ color 38.1573, 36.4588, 44.0559 looks on a white background.

Color Contrast Check

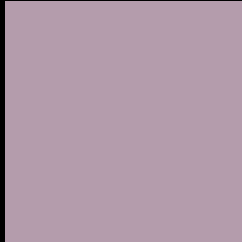
Large Text (above 18pt) WCAG AA × Fail

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 38.1573, 36.4588, 44.0559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

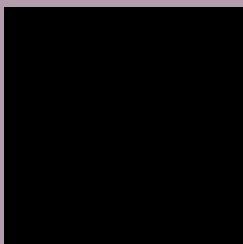
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

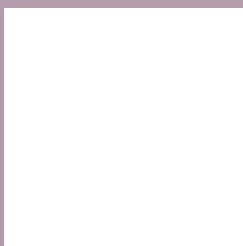
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1573, 36.4588, 44.0559

Background



This preview shows how black text looks on a background with the XYZ color 38.1573, 36.4588, 44.0559.



This preview shows how white text looks on a background with the XYZ color 38.1573, 36.4588,

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

38.1573, 36.4588, 44.0559

Protanopia

35.6571, 36.6566, 46.2704

Deuteranopia

37.3525, 36.5462, 44.1152



Tritanopia

38.0408, 36.6818, 42.6114

Trichromacy



Original Color

38.1573, 36.4588, 44.0559

Protanomaly

36.6709, 36.6718, 45.7030

Deuteranomaly

37.6348, 36.4396, 44.0797

Tritanomaly

38.1351, 36.7195, 43.1079

Monochromacy



Original Color

38.1573, 36.4588, 44.0559

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

36.5658, 37.2139, 42.3016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1573, 36.4588, 44.0559 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(180, 156, 172)` looks like.

```
.text, #text, p{  
    color:rgb(180, 156, 172)  
}
```

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(180, 156, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 156, 172) }
```

Border

The CSS property to change the border of an element to XYZ 38.1573, 36.4588, 44.0559 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(180, 156, 172) }
```


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

```
.border{ border-color:rgb(180, 156, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 156, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 156, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 156, 172);  
box-shadow:4px 4px 4px 4px rgb(180, 156,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1573, 36.4588, 44.0559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 156, 172) }
```

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

```
.background{ background-color: rgb(180,  
156, 172) }
```

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