

Converting Colors

XYZ(38.8595, 40.4980, 61.0271)

Have a look what the booklet for
XYZ(38.8595, 40.4980, 61.0271)
contains.

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Color

**XYZ(38.8158, 40.4108,
61.0126)**

Conversions

Conversions Part 1

Format	Color
Hex	9CABC9
RGB	156, 171, 201
RGB Percent	61%, 67%, 79%
CMY	0.3882, 0.3294, 0.2118
CMYK	0.22, 0.15, 0.00, 0.21
HSL	220°, 29%, 70%
HSV	220°, 22%, 79%
XYZ	38.8158, 40.4108, 61.0126
YIQ	169.9350, -18.5700, 6.1500

Conversions

Conversions Part 2

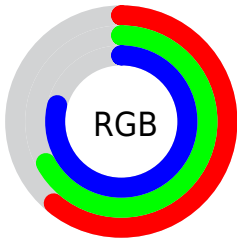
Format	Color
R _{YB}	156, 167, 201
Decimal	10267593
CIE _{Lab}	69.76, 1.30, -17.02
CIE _{LCh}	70, 17.071, 274.366
Yxy	40.4108, 0.2768, 0.2882
Android (android.graphics.Color)	4288457673 (0xFF9CABC9)
YUV	169.9350, 15.3150, -12.2210
Hunter-Lab	63.5695, -2.2537, -12.4066

Details

The XYZ color **38.8158, 40.4108, 61.0126** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.6474, 49.9356, 38.5806**, and the grayscale version is **38.1099, 40.0945, 43.6629**.

A 20% lighter version of the original color is **72.1103, 75.4616, 105.3727**, and **17.5722, 18.2433, 30.1989** is the 20% darker color. If you saturate the color by 10%, you get **32.8397, 33.7621, 60.0449**, and if you desaturate by 10%, it is **45.6947, 47.9077, 62.0978**.

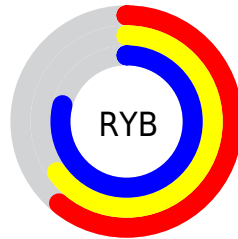
Distribution



Red (61%)

Green (67%)

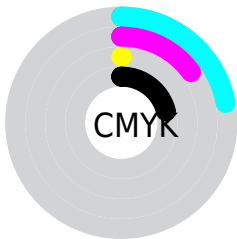
Blue (79%)



Red (61%)

Yellow (65%)

Blue (79%)

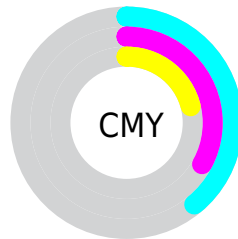


Cyan (22%)

Magenta (15%)

Yellow (0%)

Black (21%)



Cyan (39%)

Magenta (33%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8158, 40.4108, 61.0126 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 38.8158, 40.4108, 61.0126 by changing the saturation by 10% instead.

■ 38.8158, 40.4108,
61.0126

■ 38.8158, 40.4108,
61.0126

332.3274,
347.8520, 446.2280

■ 26.7965, 27.8590,
43.8047

■ 72.6527, 75.7887,
107.8549

■ 17.5563, 18.2194,
30.1809

■ 95.2011, 99.3835,
138.3264

■ 10.7296, 11.1076,
19.7228

121.9899,
127.4281, 174.0561

■ 5.9513, 6.1393,
12.0116

153.3844,
160.3069, 215.4627

■ 2.8559, 2.9299,
6.6289

189.7501,
198.4043, 262.9647

■ 1.0780, 1.0953,
3.1562

231.4522,

■ 0.0066, 0.0000,

242.1047, 316.9805

1.1750

278.8562,
291.7925, 377.9288

■ 0.0000, 0.0000,
0.0000

■ 38.8158, 40.4108,
61.0126

■ 38.8158, 40.4108,
61.0126

■ 32.8397, 33.7621,
60.0449

■ 45.6947, 47.9077,
62.0978

■ 27.7233, 27.9253,
59.1880

■ 53.5092, 56.2778,
63.3015

■ 23.4256, 22.8683,
58.4384

■ 62.2954, 65.5507,
64.6283

■ 19.9005, 18.5549,
57.7916

■ 72.0859, 75.7536,
66.0816

■ 17.0970, 14.9457,
57.2427

■ 82.3572, 86.6260,
67.6388

■ 14.9573, 11.9969,
56.7863

■ 86.4047, 94.7209,
68.9880

■ 13.4132, 9.6583,
56.4163

■ 87.5427, 96.9971,
69.3673

■ 12.5504, 8.2325,
56.1866

Harmonies

Analogous

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



36.1528, 40.4108, 59.2203



38.8158, 40.4108, 61.0126



41.4920, 40.4108, 57.8172

Triad

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



38.8158, 40.4108, 61.0126



42.9713, 40.4108, 35.9463



33.8086, 40.4108, 37.7313

Complementary

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



38.8158, 40.4108, 61.0126



47.6474, 49.9356, 38.5806

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.



35.4831, 40.4108, 32.5815



38.8158, 40.4108, 61.0126



40.7577, 40.4108, 31.6411

Square

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



38.8158, 40.4108, 61.0126



43.9632, 40.4108, 42.8504



38.0056, 40.4108, 30.4870



33.3439, 40.4108, 45.1710

Rectangle

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



38.8158, 40.4108, 61.0126



42.8986, 40.4108, 53.4899



38.0056, 40.4108, 30.4870



34.2446, 40.4108, 35.7055

Sweetspot

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



38.8171, 40.4124, 61.0135



85.1059, 89.4119, 107.3804



43.3811, 52.3553, 53.8574



18.0410, 18.9501, 22.9568



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



38.8171, 40.4124, 61.0135



61.1619, 63.3294, 103.6080



37.4851, 35.7551, 60.1848



10.3408, 10.8556, 13.4678



7.9670, 5.3279, 35.3528



0.4442, 0.3861, 1.6963

Inverse Universe

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



43.3275, 39.1357, 43.8003



70.3519, 61.0496, 68.4643



49.2005, 55.6768, 39.6070



10.7773, 10.6943, 11.8105



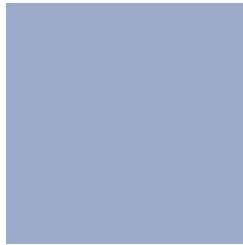
15.8207, 8.0778, 4.2657



0.7829, 0.3960, 0.3798

Previews

White Background



This preview shows how the XYZ color 38.8158, 40.4108, 61.0126 looks on a white background.

Color Contrast Check

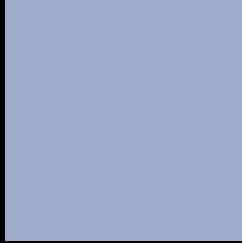
Large Text (above 18pt) WCAG AA × Fail

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 38.8158, 40.4108, 61.0126 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

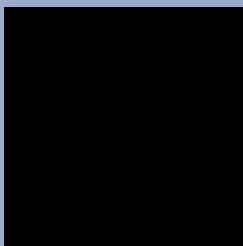
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

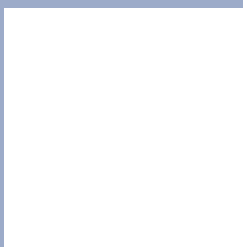
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.8158, 40.4108, 61.0126

Background



This preview shows how black text looks on a background with the XYZ color 38.8158, 40.4108, 61.0126.



This preview shows how white text looks on a background with the XYZ color 38.8158, 40.4108,

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

38.8158, 40.4108, 61.0126

Protanopia

39.9231, 40.4386, 60.3448

Deuteranopia

41.0915, 40.1946, 61.4697



Tritanopia

37.0501, 40.2473, 52.8295

Trichromacy



Original Color

38.8158, 40.4108, 61.0126

Protanomaly

39.4980, 40.4966, 60.3784

Deuteranomaly

40.3892, 40.3765, 61.5418

Tritanomaly

37.5934, 40.1808, 55.6435

Monochromacy



Original Color

38.8158, 40.4108, 61.0126

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.2323, 40.0850, 49.4382

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8158, 40.4108, 61.0126 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(156, 171, 201)` looks like.

```
.text, #text, p{  
    color:rgb(156, 171, 201)  
}
```

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(156, 171, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 171, 201) }
```

Border

The CSS property to change the border of an element to XYZ 38.8158, 40.4108, 61.0126 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(156, 171, 201) }
```


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

```
.border{ border-color:rgb(156, 171, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 171, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 171, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 171, 201);  
box-shadow:4px 4px 4px 4px rgb(156, 171,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8158, 40.4108, 61.0126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 171, 201) }
```

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

```
.background{ background-color: rgb(156,  
171, 201) }
```

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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