

Converting Colors

XYZ(38.7311, 40.7494, 61.4089)

Have a look what the booklet for
XYZ(38.7311, 40.7494, 61.4089)
contains.

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Color

**XYZ(38.7396, 40.6393,
61.6795)**

Conversions

Conversions Part 1

Format	Color
Hex	9AACCA
RGB	154, 172, 202
RGB Percent	60%, 67%, 79%
CMY	0.3961, 0.3255, 0.2078
CMYK	0.24, 0.15, 0.00, 0.21
HSL	217°, 31%, 70%
HSV	217°, 24%, 79%
XYZ	38.7396, 40.6393, 61.6795
YIQ	170.0380, -20.3580, 5.5140

Conversions

Conversions Part 2

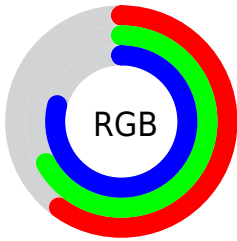
Format	Color
RYB	154, 167, 202
Decimal	10136778
CIELab	69.92, 0.36, -17.34
CIELCh	70, 17.346, 271.194
Yxy	40.6393, 0.2746, 0.2881
Android (android.graphics.Color)	4288326858 (0xFF9AACCA)
YUV	170.0380, 15.7573, -14.0653
Hunter-Lab	63.7490, -3.0880, -12.7410

Details

The XYZ color **38.7396, 40.6393, 61.6795** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.3308, 49.1709, 37.5692**, and the grayscale version is **38.1596, 40.1469, 43.7199**.

A 20% lighter version of the original color is **71.8136, 75.7135, 105.4369**, and **17.5413, 18.3958, 30.6432** is the 20% darker color. If you saturate the color by 10%, you get **32.9242, 34.2433, 60.7521**, and if you desaturate by 10%, it is **45.4327, 47.8287, 62.7151**.

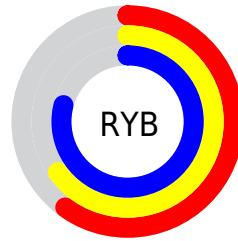
Distribution



Red (60%)

Green (67%)

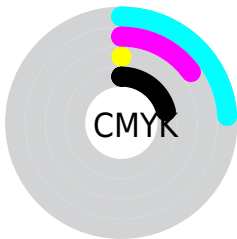
Blue (79%)



Red (60%)

Yellow (65%)

Blue (79%)

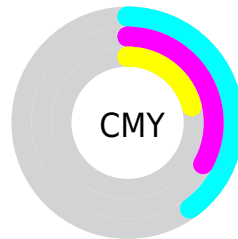


Cyan (24%)

Magenta (15%)

Yellow (0%)

Black (21%)



Cyan (40%)

Magenta (33%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7396, 40.6393, 61.6795 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 38.7396, 40.6393, 61.6795 by changing the saturation by 10% instead.

■ 38.7396, 40.6393,
61.6795

■ 38.7396, 40.6393,
61.6795

332.0084,
348.8108, 448.7364

■ 26.7370, 28.0373,
44.3397

■ 72.5370, 76.1360,
108.8293

■ 17.5114, 18.3538,
30.5985

■ 95.0625, 99.7996,
139.4763

■ 10.6973, 11.2043,
20.0374

121.8263,
127.9192, 175.3961

■ 5.9295, 6.2044,
12.2379

153.1939,
160.8791, 217.0073

■ 2.8425, 2.9698,
6.7814

189.5305,
199.0639, 264.7284

■ 1.0710, 1.1160,
3.2494

231.2016,

■ 0.0007, 0.0000,

242.8578, 318.9779

1.2233

278.5724,
292.6453, 380.1744

■ 0.0000, 0.0000,
0.0000

■ 38.7396, 40.6393,
61.6795

■ 38.7396, 40.6393,
61.6795

■ 32.9242, 34.2433,
60.7521

■ 45.4327, 47.8287,
62.7151

■ 27.9442, 28.6063,
59.9266

■ 53.0360, 55.8342,
63.8596

■ 23.7589, 23.6987,
59.1999

■ 61.5848, 64.6836,
65.1171

■ 20.3228, 19.4867,
58.5680

■ 71.1113, 74.4021,
66.4909

■ 17.5851, 15.9332,
58.0264

■ 81.6451, 85.0129,
67.9838

■ 15.4880, 12.9971,
57.5702

■ 85.3914, 92.5055,
69.2325

■ 13.9628, 10.6306,
57.1938

■ 87.6608, 97.0443,
69.9890

■ 13.2285, 9.3998,
56.9949

Harmonies

Analogous

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



36.0699, 40.6393, 59.3144



38.7396, 40.6393, 61.6795



41.5061, 40.6393, 58.9217

Triad

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



38.7396, 40.6393, 61.6795



43.4576, 40.6393, 36.6772



34.0632, 40.6393, 37.1743

Complementary

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



38.7396, 40.6393, 61.6795



47.3308, 49.1709, 37.5692

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.



35.8831, 40.6393, 32.2404



38.7396, 40.6393, 61.6795



41.3011, 40.6393, 31.9789

Square

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



38.7396, 40.6393, 61.6795



44.3106, 40.6393, 43.9263



38.5135, 40.6393, 30.4574



33.4504, 40.6393, 44.5739

Rectangle

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



38.7396, 40.6393, 61.6795



43.0120, 40.6393, 54.7225



38.5135, 40.6393, 30.4574



34.5496, 40.6393, 35.2057

Sweetspot

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



38.7409, 40.6409, 61.6804



85.3290, 89.8581, 107.4548



43.0577, 52.5558, 53.0037



18.0926, 19.0533, 22.9740



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.



38.7409, 40.6409, 61.6804



59.8652, 62.5446, 103.5248



36.6346, 34.8090, 60.6658



10.9407, 11.5219, 14.2177



8.5914, 6.2069, 36.7015



0.5156, 0.4650, 1.9175

Inverse Universe

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



43.3601, 38.6474, 44.2058



69.2559, 58.9208, 67.9039



49.8232, 56.3644, 38.8263



11.3834, 11.2821, 12.5538



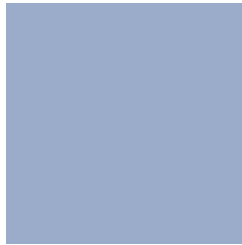
16.5475, 8.4296, 5.3356



0.8902, 0.4495, 0.4677

Previews

White Background



This preview shows how the XYZ color 38.7396, 40.6393, 61.6795 looks on a white background.

Color Contrast Check

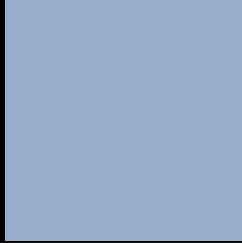
Large Text (above 18pt) WCAG AA × Fail

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 38.7396, 40.6393, 61.6795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

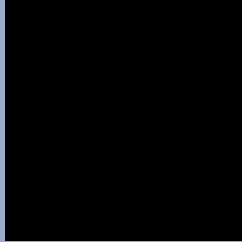
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7396, 40.6393, 61.6795

Background



This preview shows how black text looks on a background with the XYZ color 38.7396, 40.6393, 61.6795.



This preview shows how white text looks on a background with the XYZ color 38.7396, 40.6393,

61.6795.

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

38.7396, 40.6393, 61.6795

Protanopia

40.1303, 40.5454, 60.3545

Deuteranopia

41.3928, 40.6072, 62.1562



Tritanopia

36.9757, 40.4823, 53.4420

Trichromacy



Original Color

38.7396, 40.6393, 61.6795

Protanomaly

39.6153, 40.5436, 60.9961

Deuteranomaly

40.4845, 40.6871, 62.2195

Tritanomaly

37.5181, 40.4128, 56.2751

Monochromacy



Original Color

38.7396, 40.6393, 61.6795

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.3162, 40.3957, 50.0336

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7396, 40.6393, 61.6795 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(154, 172, 202)` looks like.

```
.text, #text, p{  
    color:rgb(154, 172, 202)  
}
```

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(154, 172, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 172, 202) }
```

Border

The CSS property to change the border of an element to XYZ 38.7396, 40.6393, 61.6795 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(154, 172, 202) }
```


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

```
.border{ border-color:rgb(154, 172, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 172, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 172, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 172, 202);  
box-shadow:4px 4px 4px 4px rgb(154, 172,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7396, 40.6393, 61.6795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 172, 202) }
```

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

```
.background{ background-color: rgb(154,  
172, 202) }
```

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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