

Converting Colors

XYZ(38.7311, 40.7494, 59.5925)

Have a look what the booklet for
XYZ(38.7311, 40.7494, 59.5925)
contains.

XYZ(38.7716, 40.6965, 59.8446)	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(38.7716, 40.6965,
59.8446)**

Conversions

Conversions Part 1

Format	Color
Hex	9CACC7
RGB	156, 172, 199
RGB Percent	61%, 67%, 78%
CMY	0.3882, 0.3255, 0.2196
CMYK	0.22, 0.14, 0.00, 0.22
HSL	218°, 28%, 70%
HSV	218°, 22%, 78%
XYZ	38.7716, 40.6965, 59.8446
YIQ	170.2940, -18.2030, 5.0050

Conversions

Conversions Part 2

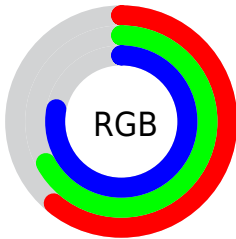
Format	Color
RYB	156, 168, 199
Decimal	10267847
CIELab	69.96, 0.29, -15.62
CIELCh	70, 15.618, 271.063
Yxy	40.6965, 0.2783, 0.2921
Android (android.graphics.Color)	4288457927 (0xFF9CACC7)
YUV	170.2940, 14.1521, -12.5358
Hunter-Lab	63.7938, -3.1532, -10.9639

Details

The XYZ color **38.7716, 40.6965, 59.8446** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **46.4878, 48.4094, 38.3471**, and the grayscale version is **38.2942, 40.2885, 43.8742**.

A 20% lighter version of the original color is **72.3831, 76.0071, 105.4636**, and **17.5362, 18.4203, 29.4193** is the 20% darker color. If you saturate the color by 10%, you get **32.9647, 34.3381, 58.9240**, and if you desaturate by 10%, it is **45.4355, 47.8306, 60.8711**.

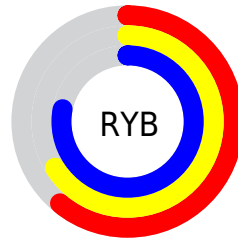
Distribution



Red (61%)

Green (67%)

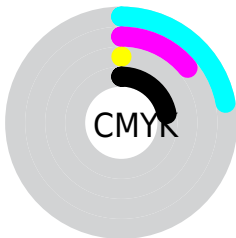
Blue (78%)



Red (61%)

Yellow (66%)

Blue (78%)

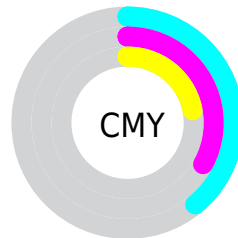


Cyan (22%)

Magenta (14%)

Yellow (0%)

Black (22%)



Cyan (39%)

Magenta (33%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7716, 40.6965, 59.8446 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 38.7716, 40.6965, 59.8446 by changing the saturation by 10% instead.

■ 38.7716, 40.6965,
59.8446

■ 38.7716, 40.6965,
59.8446

332.1424,
349.0505, 441.8135

■ 26.7620, 28.0820,
42.8689

■ 72.5856, 76.2230,
106.1454

■ 17.5302, 18.3875,
29.4516

■ 95.1207, 99.9037,
136.3075

■ 10.7109, 11.2285,
19.1742

121.8950,
128.0420, 171.7023

■ 5.9386, 6.2208,
11.6182

153.2739,
161.0223, 212.7481

■ 2.8481, 2.9798,
6.3649

189.6227,
199.2288, 259.8636

■ 1.0740, 1.1212,
2.9958

231.3069,

■ 0.0032, 0.0000,

243.0462, 313.4673

1.0925

278.6916,
292.8586, 373.9778

■ 0.0000, 0.0000,
0.0000

■ 38.7716, 40.6965,
59.8446

■ 38.7716, 40.6965,
59.8446

■ 32.9647, 34.3381,
58.9240

■ 45.4355, 47.8306,
60.8711

■ 27.9743, 28.7225,
58.1031

■ 52.9870, 55.7620,
62.0040

■ 23.7618, 23.8212,
57.3791

■ 61.4601, 64.5175,
63.2474

■ 20.2841, 19.6020,
56.7480

■ 70.8855, 74.1212,
64.6043

■ 17.4935, 16.0298,
56.2056

■ 81.1075, 84.5007,
66.0690

■ 15.3358, 13.0658,
55.7472

■ 84.8007, 91.8871,
67.3000

■ 13.7474, 10.6652,
55.3676

■ 87.3089, 96.9036,
68.1361

■ 12.7615, 9.0287,
55.1036

Harmonies

Analogous

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



36.3621, 40.6965, 57.7360



38.7716, 40.6965, 59.8446



41.2598, 40.6965, 57.4266

Triad

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



38.7716, 40.6965, 59.8446



43.0237, 40.6965, 37.4696



34.5562, 40.6965, 37.8735

Complementary

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



38.7716, 40.6965, 59.8446



46.4878, 48.4094, 38.3471

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.



36.2115, 40.6965, 33.3628



38.7716, 40.6965, 59.8446



41.0960, 40.6965, 33.1482

Square

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



38.7716, 40.6965, 59.8446



43.7801, 40.6965, 44.0522



38.5901, 40.6965, 31.7297



33.9936, 40.6965, 44.5719

Rectangle

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



38.7716, 40.6965, 59.8446



42.6114, 40.6965, 53.7110



38.5901, 40.6965, 31.7297



34.9996, 40.6965, 36.0781

Sweetspot

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



38.7729, 40.6982, 59.8455



86.6551, 91.2361, 107.6509



42.6315, 51.3144, 52.1950



18.3598, 19.3309, 23.0135



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.



38.7729, 40.6982, 59.8455



62.8501, 65.7768, 103.9914



36.8994, 35.4802, 58.9371



10.3746, 10.9233, 13.4791



8.2833, 5.9606, 35.4583



0.4615, 0.4207, 1.7020

Inverse Universe

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



42.8890, 38.8986, 44.2793



71.4308, 62.3493, 71.4691



48.6688, 54.7150, 39.4493



10.7944, 10.7011, 11.9004



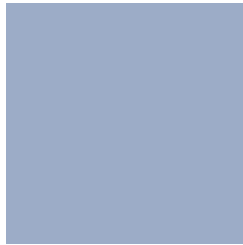
15.9804, 8.1417, 5.1066



0.7916, 0.3995, 0.4259

Previews

White Background



This preview shows how the XYZ color 38.7716, 40.6965, 59.8446 looks on a white background.

Color Contrast Check

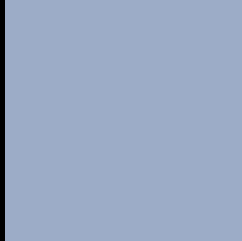
Large Text (above 18pt) WCAG AA × Fail

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 38.7716, 40.6965, 59.8446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

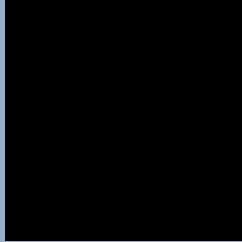
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7716, 40.6965, 59.8446

Background



This preview shows how black text looks on a background with the XYZ color 38.7716, 40.6965, 59.8446.



This preview shows how white text looks on a background with the XYZ color 38.7716, 40.6965,

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

38.7716, 40.6965, 59.8446

Protanopia

39.9919, 40.5141, 58.5355

Deuteranopia

41.4776, 40.6918, 60.3118



Tritanopia

37.5396, 40.7730, 53.4684

Trichromacy



Original Color

38.7716, 40.6965, 59.8446

Protanomaly

39.4681, 40.5081, 59.1647

Deuteranomaly

40.5496, 40.7616, 60.3742

Tritanomaly

37.9756, 40.6615, 55.7161

Monochromacy



Original Color

38.7716, 40.6965, 59.8446

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.4204, 40.4613, 49.5009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7716, 40.6965, 59.8446 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, 172, 199)` looks like.

```
.text, #text, p{  
    color:rgb(156, 172, 199)  
}
```

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, 172, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 172, 199) }
```

Border

The CSS property to change the border of an element to XYZ 38.7716, 40.6965, 59.8446 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, 172, 199) }
```


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

```
.border{ border-color:rgb(156, 172, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 172, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 172, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 172, 199);  
box-shadow:4px 4px 4px 4px rgb(156, 172,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7716, 40.6965, 59.8446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 172, 199) }
```

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

```
.background{ background-color: rgb(156,  
172, 199) }
```

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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