

Converting Colors

XYZ(40.1086, 39.9073, 77.5413)

Have a look what the booklet for
XYZ(40.1086, 39.9073, 77.5413)
contains.

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Color

**XYZ(40.1245, 39.8858,
77.5354)**

Conversions

Conversions Part 1

Format	Color
Hex	95A8E2
RGB	149, 168, 226
RGB Percent	58%, 66%, 89%
CMY	0.4157, 0.3412, 0.1137
CMYK	0.34, 0.26, 0.00, 0.11
HSL	225°, 57%, 74%
HSV	225°, 34%, 89%
XYZ	40.1245, 39.8858, 77.5354
YIQ	168.9310, -29.9420, 14.0100

Conversions

Conversions Part 2

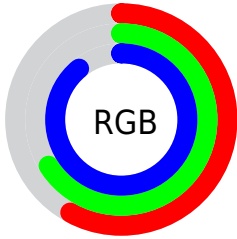
Format	Color
RYB	149, 164, 226
Decimal	9808098
CIELab	69.39, 7.03, -31.38
CIElCh	69, 32.155, 282.629
Yxy	39.8858, 0.2547, 0.2532
Android (android.graphics.Color)	4287998178 (0xFF95A8E2)
YUV	168.9310, 28.1350, -17.4795
Hunter-Lab	63.1552, 2.8851, -28.5815

Details

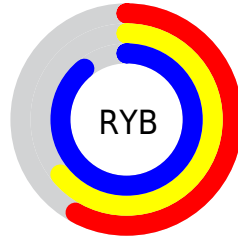
The XYZ color **40.1245, 39.8858, 77.5354** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **59.1025, 62.9651, 37.4736**, and the grayscale version is **37.5550, 39.5108, 43.0272**.

A 20% lighter version of the original color is **69.6145, 72.9745, 105.0241**, and **18.2204, 17.8260, 40.5106** is the 20% darker color. If you saturate the color by 10%, you get **33.4547, 32.0841, 76.3818**, and if you desaturate by 10%, it is **48.0084, 48.9259, 78.8655**.

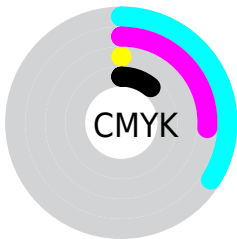
Distribution



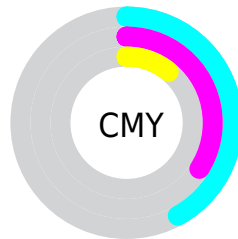
- Red (58%)
- Green (66%)
- Blue (89%)



- Red (58%)
- Yellow (64%)
- Blue (89%)



- Cyan (34%)
- Magenta (26%)
- Yellow (0%)
- Black (11%)



- Cyan (42%)
- Magenta (34%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1245, 39.8858, 77.5354 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 40.1245, 39.8858, 77.5354 by changing the saturation by 10% instead.

■ 40.1245, 39.8858,
77.5354

■ 40.1245, 39.8858,
77.5354

337.7735,
345.6420, 506.0736

■ 27.8203, 27.4495,
57.1782

■ 74.6362, 74.9896,
131.6749

■ 18.3300, 17.9111,
40.7380

■ 97.5744, 98.4259,
166.2943

■ 11.2883, 10.8862,
27.7963

124.7879,
126.2976, 206.5048

■ 6.3298, 5.9904,
17.9345

156.6422,
158.9892, 252.7250

■ 3.0892, 2.8392,
10.7340

193.5025,
196.8851, 305.3735

■ 1.2011, 1.0484,
5.7763

235.7343,

■ 0.1072, 0.0000,

240.3695, 364.8687

2.6430

283.7028,
289.8271, 431.6292

■ 0.0000, 0.0000,
0.9145

■ 0.0000, 0.0000,
0.0000

■ 40.1245, 39.8858,
77.5354

■ 40.1245, 39.8858,
77.5354

■ 33.4547, 32.0841,
76.3818

■ 48.0084, 48.9259,
78.8655

■ 27.9328, 25.4605,
75.3943

■ 57.1602, 59.2518,
80.3762

■ 23.4919, 19.9564,
74.5660

■ 67.6351, 70.9139,
82.0752

■ 20.0563, 15.5058,
73.8880

■ 79.4839, 83.9586,
83.9685

■ 17.5398, 12.0353,
73.3508

■ 90.1307, 97.0772,
85.9396

■ 15.8398, 9.4602,
72.9433

■ 90.7276, 98.2710,
86.1385

■ 15.1305, 8.2969,
72.7562

Harmonies

Analogous

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



35.0205, 39.8858, 76.6422



40.1245, 39.8858, 77.5354



45.0456, 39.8858, 67.9104

Triad

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



40.1245, 39.8858, 77.5354



45.7008, 39.8858, 26.8669



29.1960, 39.8858, 35.4751

Complementary

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



40.1245, 39.8858, 77.5354



59.1025, 62.9651, 37.4736

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.



31.5713, 39.8858, 25.6763



40.1245, 39.8858, 77.5354



40.9548, 39.8858, 21.5381

Square

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



40.1245, 39.8858, 77.5354



48.4561, 39.8858, 37.4994



35.7790, 39.8858, 21.1586



29.0176, 39.8858, 49.9525

Rectangle

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



40.1245, 39.8858, 77.5354



47.4364, 39.8858, 57.8692



35.7790, 39.8858, 21.1586



29.7533, 39.8858, 31.6159

Sweetspot

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



40.1258, 39.8873, 77.5363



80.4586, 83.8318, 106.5483



50.8238, 65.2759, 68.7932



16.8136, 17.4884, 22.7394



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.



40.1258, 39.8873, 77.5363



46.2848, 44.8951, 100.8339



40.6779, 35.3396, 76.6294



13.2254, 13.7900, 17.3524



8.7106, 4.8909, 41.5333



0.6738, 0.4790, 2.9022

Inverse Universe

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



49.1805, 40.4921, 42.2710



60.0794, 46.3610, 46.9854



58.2844, 69.7929, 38.8346



13.8452, 13.7557, 14.9553



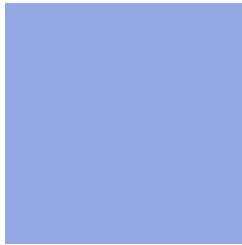
18.3369, 9.4018, 3.1741



1.3063, 0.6658, 0.4061

Previews

White Background



This preview shows how the XYZ color 40.1245, 39.8858, 77.5354 looks on a white background.

Color Contrast Check

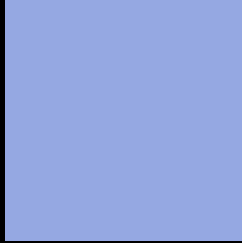
Large Text (above 18pt) WCAG AA × Fail

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 40.1245, 39.8858, 77.5354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

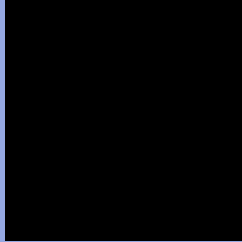
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.1245, 39.8858, 77.5354

Background



This preview shows how black text looks on a background with the XYZ color 40.1245, 39.8858, 77.5354.



This preview shows how white text looks on a background with the XYZ color 40.1245, 39.8858,

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

40.1245, 39.8858, 77.5354

Protanopia

40.5462, 39.8460, 76.7882

Deuteranopia

40.8726, 39.9984, 77.5178



Tritanopia

35.4998, 39.9968, 53.9932

Trichromacy



Original Color

40.1245, 39.8858, 77.5354

Protanomaly

40.3582, 39.7491, 76.7794

Deuteranomaly

40.4951, 39.8038, 77.5001

Tritanomaly

36.9148, 39.6986, 61.5941

Monochromacy



Original Color

40.1245, 39.8858, 77.5354

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.3825, 39.7750, 54.3696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1245, 39.8858, 77.5354 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(149, 168, 226)` looks like.

```
.text, #text, p{  
    color:rgb(149, 168, 226)  
}
```

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(149, 168, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 168, 226) }
```

Border

The CSS property to change the border of an element to XYZ 40.1245, 39.8858, 77.5354 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(149, 168, 226) }
```


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

```
.border{ border-color:rgb(149, 168, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 168, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(149, 168, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(149, 168, 226); box-shadow:4px 4px 4px 4px rgb(149, 168, 226) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1245, 39.8858, 77.5354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 168, 226) }
```

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

```
.background{ background-color: rgb(149,  
168, 226) }
```

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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