

Converting Colors

XYZ(37.8394, 40.6678, 99.6581)

Have a look what the booklet for
XYZ(37.8394, 40.6678, 99.6581)
contains.

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Color

**XYZ(37.9259, 40.8242,
99.6469)**

Conversions

Conversions Part 1

Format	Color
Hex	5BB1FE
RGB	91, 177, 254
RGB Percent	36%, 69%, 100%
CMY	0.6431, 0.3059, 0.0039
CMYK	0.64, 0.30, 0.00, 0.00
HSL	208°, 99%, 68%
HSV	208°, 64%, 100%
XYZ	37.9259, 40.8242, 99.6469
YIQ	160.0640, -75.9730, 5.7150

Conversions

Conversions Part 2

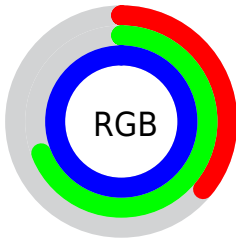
Format	Color
R _Y B	91, 147, 254
Decimal	6009342
CIE Lab	70.05, -2.81, -45.81
CIE LCh	70, 45.897, 266.486
Yxy	40.8242, 0.2126, 0.2288
Android (android.graphics.Color)	4284199422 (0xFF5BB1FE)
YUV	160.0640, 46.3104, -60.5691
Hunter-Lab	63.8938, -5.8607, -47.7412

Details

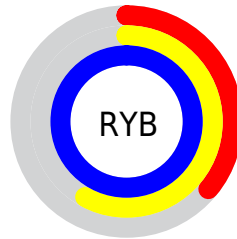
The XYZ color **37.9259, 40.8242, 99.6469** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **56.7662, 49.8346, 16.5267**, and the grayscale version is **33.2632, 34.9955, 38.1101**.

A 20% lighter version of the original color is **60.2330, 71.8033, 105.2925**, and **17.4117, 18.6984, 55.5148** is the 20% darker color. If you saturate the color by 10%, you get **33.5657, 35.2119, 98.7943**, and if you desaturate by 10%, it is **43.3444, 47.2927, 100.6107**.

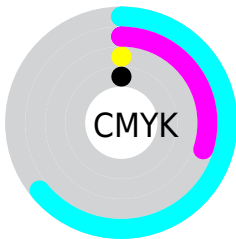
Distribution



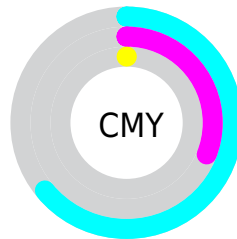
- Red (36%)
- Green (69%)
- Blue (100%)



- Red (36%)
- Yellow (58%)
- Blue (100%)



- Cyan (64%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (64%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9259, 40.8242, 99.6469 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 37.9259, 40.8242, 99.6469 by changing the saturation by 10% instead.

■ 37.9259, 40.8242,
99.6469

■ 37.9259, 40.8242,
99.6469

328.5883,
349.5853, 580.2970

■ 26.1021, 28.1817,
75.3904

■ 71.2992, 76.4170,
162.7195

■ 17.0331, 18.4627,
55.4292

■ 93.5794, 100.1360,
202.3727

■ 10.3536, 11.2827,
39.3445

■ 120.0758,
128.3161, 247.9953

■ 5.6981, 6.2573,
26.7179

■ 151.1538,
161.3416, 300.0057

■ 2.7013, 3.0022,
17.1309

187.1787,
199.5969, 358.8226

■ 0.9978, 1.1329,
10.1649

228.5158,

■ 0.0000, 0.0058,

243.4663, 424.8644

5.4014

275.5306,
293.3343, 498.5497

■ 0.0000, 0.0000,
2.4218

■ 0.0000, 0.0000,
0.7983

■ 37.9259, 40.8242,
99.6469

■ 37.9259, 40.8242,
99.6469

■ 33.5657, 35.2119,
98.7943

■ 43.3444, 47.2927,
100.6107

■ 30.1646, 30.3949,
98.0437

■ 49.8990, 54.6633,
101.6879

■ 27.6090, 26.3069,
97.3894

■ 57.6644, 62.9826,
102.8844

■ 26.4159, 24.2085,
97.0472

■ 66.7074, 72.2919,
104.2047

■ 77.0895, 82.6301,
105.6529

■ 88.8681, 94.0333,
107.2332

94.8896, 99.9358,
108.0551

Harmonies

Analogous

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



31.3800, 40.8242, 88.4779



37.9259, 40.8242, 99.6469



45.5870, 40.8242, 92.5398

Triad

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



37.9259, 40.8242, 99.6469



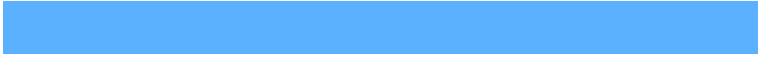
53.1750, 40.8242, 28.4747



27.9892, 40.8242, 25.3424

Complementary

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



37.9259, 40.8242, 99.6469



56.7662, 49.8346, 16.5267

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.



32.7263, 40.8242, 16.8077



37.9259, 40.8242, 99.6469



47.3111, 40.8242, 18.1649

Square

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



37.9259, 40.8242, 99.6469



55.0279, 40.8242, 47.0276



39.6918, 40.8242, 14.6809



26.1278, 40.8242, 41.9695

Rectangle

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



37.9259, 40.8242, 99.6469



50.2134, 40.8242, 79.3336



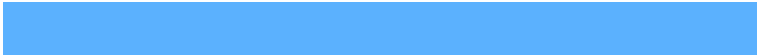
39.6918, 40.8242, 14.6809



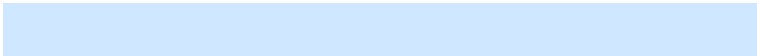
29.2657, 40.8242, 21.6674

Sweetspot

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



37.9274, 40.8256, 99.6479



72.5447, 78.1969, 105.8777



46.7391, 75.9015, 48.7811



14.8969, 16.1069, 22.5737



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.



37.9274, 40.8256, 99.6479



32.7961, 34.0654, 99.4545



26.4281, 17.8270, 95.8148



17.7963, 18.9642, 22.9724



14.0757, 13.0610, 51.2137



1.4799, 1.4906, 5.0230

Inverse Universe

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



52.5513, 31.7291, 44.9507



49.3292, 26.9693, 36.9013



76.5044, 89.3111, 23.1061



18.4098, 18.1472, 20.7753



23.8930, 12.0465, 13.3527



2.3816, 1.1950, 1.5910

Previews

White Background



This preview shows how the XYZ color 37.9259, 40.8242, 99.6469 looks on a white background.

Color Contrast Check

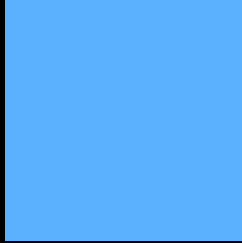
Large Text (above 18pt) WCAG AA × Fail

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 37.9259, 40.8242, 99.6469 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

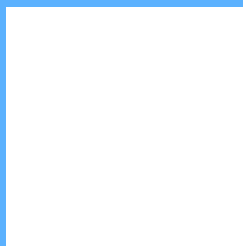
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.9259, 40.8242, 99.6469

Background



This preview shows how black text looks on a background with the XYZ color 37.9259, 40.8242, 99.6469.



This preview shows how white text looks on a background with the XYZ color 37.9259, 40.8242,

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

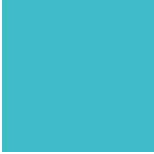
37.9259, 40.8242, 99.6469

Protanopia

42.3142, 40.6788, 92.8104

Deuteranopia

41.5980, 40.4212, 100.2174



Tritanopia

30.4809, 40.8617, 62.1577

Trichromacy



Original Color

37.9259, 40.8242, 99.6469

Protanomaly

40.1192, 40.3253, 95.2916

Deuteranomaly

40.0050, 40.4381, 100.3046

Tritanomaly

32.7323, 40.5039, 74.4995

Monochromacy



Original Color

37.9259, 40.8242, 99.6469

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.3655, 36.3184, 56.2905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9259, 40.8242, 99.6469 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(91, 177, 254)` looks like.

```
.text, #text, p{  
    color:rgb(91, 177, 254)  
}
```

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(91, 177, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 177, 254) }
```

Border

The CSS property to change the border of an element to XYZ 37.9259, 40.8242, 99.6469 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(91, 177, 254) }
```


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

```
.border{ border-color:rgb(91, 177, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 177, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 177, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 177, 254);  
box-shadow:4px 4px 4px 4px rgb(91, 177,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9259, 40.8242, 99.6469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 177, 254) }
```

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

```
.background{ background-color: rgb(91, 177,  
254) }
```

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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