

Converting Colors

XYZ(39.3700, 40.5810,
100.3656)

Have a look what the booklet for
XYZ(39.3700, 40.5810, 100.3656)
contains.

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Color

**XYZ(39.4927, 40.7433,
100.3905)**

Conversions

Conversions Part 1

Format	Color
Hex	6DAEFF
RGB	109, 174, 255
RGB Percent	43%, 68%, 100%
CMY	0.5725, 0.3176, 0.0000
CMYK	0.57, 0.32, 0.00, 0.00
HSL	213°, 100%, 71%
HSV	213°, 57%, 100%
XYZ	39.4927, 40.7433, 100.3905
YIQ	163.7990, -64.7410, 11.4110

Conversions

Conversions Part 2

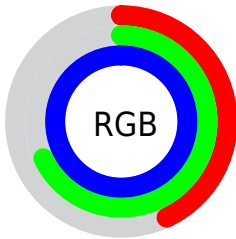
Format	Color
R _{YB}	109, 154, 255
Decimal	7188223
CIE Lab	70.00, 2.43, -46.39
CIE LCh	70, 46.454, 273.002
Yxy	40.7433, 0.2186, 0.2256
Android (android.graphics.Color)	4285378303 (0xFF6DAEFF)
YUV	163.7990, 44.9621, -48.0587
Hunter-Lab	63.8305, -1.2632, -48.5680

Details

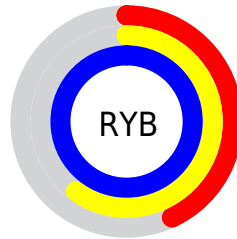
The XYZ color **39.4927, 40.7433, 100.3905** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **62.4152, 59.1933, 22.6058**, and the grayscale version is **35.0078, 36.8309, 40.1089**.

A 20% lighter version of the original color is **62.4315, 71.6936, 105.1555**, and **17.9893, 18.4276, 56.0348** is the 20% darker color. If you saturate the color by 10%, you get **34.2078, 34.1734, 99.4009**, and if you desaturate by 10%, it is **45.9778, 48.3606, 101.5190**.

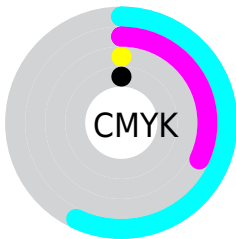
Distribution



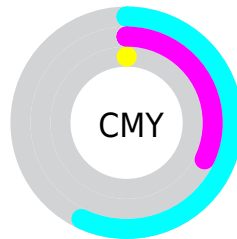
- Red (43%)
- Green (68%)
- Blue (100%)



- Red (43%)
- Yellow (60%)
- Blue (100%)



- Cyan (57%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (57%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4927, 40.7433, 100.3905 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 39.4927, 40.7433, 100.3905 by changing the saturation by 10% instead.

■ 39.4927, 40.7433,
100.3905

■ 39.4927, 40.7433,
100.3905

335.1519,
349.2466, 582.7013

■ 27.3257, 28.1186,
76.0080

■ 73.6797, 76.2941,
163.7503

■ 17.9558, 18.4150,
55.9324

■ 96.4303, 99.9889,
203.5646

■ 11.0178, 11.2484,
39.7451

■ 123.4395,
128.1425, 249.3600

■ 6.1462, 6.2342,
27.0276

155.0727,
161.1393, 301.5550

■ 2.9757, 2.9880,
17.3613

191.6952,
199.3638, 360.5680

■ 1.1409, 1.1255,
10.3278

233.6723,

■ 0.0589, 0.0000,

243.2002, 426.8177

5.5084

281.3694,
293.0330, 500.7227

■ 0.0000, 0.0000,
2.4846

■ 0.0000, 0.0000,
0.8320

■ 39.4927, 40.7433,
100.3905

■ 39.4927, 40.7433,
100.3905

■ 34.2078, 34.1734,
99.4009

■ 45.9778, 48.3606,
101.5190

■ 30.0291, 28.5874,
98.5429

■ 53.7390, 57.0751,
102.7920

■ 26.8532, 23.9186,
97.8092

■ 62.8502, 66.9375,
104.2154

■ 24.5471, 20.0840,
97.1906

■ 73.3780, 77.9939,
105.7946

■ 24.0138, 19.1476,
97.0379

■ 85.3845, 90.2874,
107.5347

95.0500, 100.0000,
108.9000

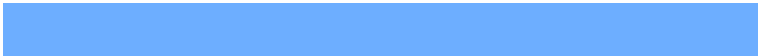
Harmonies

Analogous

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



32.4846, 40.7433, 92.8533



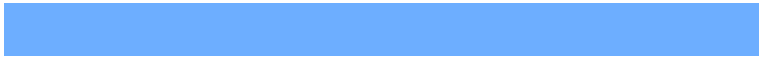
39.4927, 40.7433, 100.3905



47.2090, 40.7433, 89.3262

Triad

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



39.4927, 40.7433, 100.3905



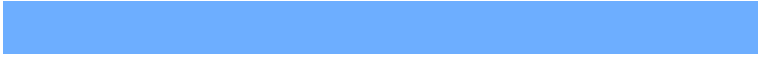
52.2642, 40.7433, 25.3065



27.1471, 40.7433, 27.9979

Complementary

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



39.4927, 40.7433, 100.3905



62.4152, 59.1933, 22.6058

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.



31.3242, 40.7433, 17.7764



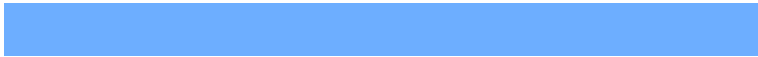
39.4927, 40.7433, 100.3905



45.7180, 40.7433, 16.6158

Square

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



39.4927, 40.7433, 100.3905



55.1606, 40.7433, 42.2147



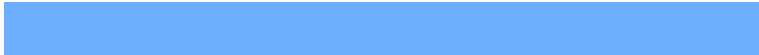
37.9679, 40.7433, 14.3917



25.9294, 40.7433, 46.5820

Rectangle

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



39.4927, 40.7433, 100.3905



51.5561, 40.7433, 74.4847



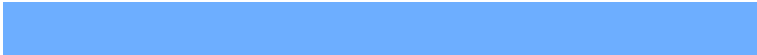
37.9679, 40.7433, 14.3917



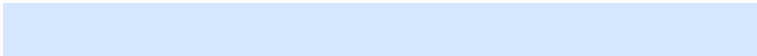
28.2222, 40.7433, 23.7031

Sweetspot

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



39.4940, 40.7447, 100.3907



73.6623, 78.2885, 105.8365



51.2858, 78.4590, 60.7579



15.2875, 16.2592, 22.5826



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.



39.4940, 40.7447, 100.3907



33.4003, 33.1278, 99.2417



30.7627, 21.8929, 97.2121



17.6687, 18.7090, 22.9299



12.6913, 10.2922, 50.7523



1.3427, 1.2160, 4.9772

Inverse Universe

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



54.3496, 35.2549, 43.9859



50.1581, 29.3066, 35.0826



77.1259, 92.5260, 28.2643



18.3454, 18.1215, 20.4361



23.1942, 11.7670, 9.6730



2.3123, 1.1673, 1.2261

Previews

White Background



This preview shows how the XYZ color 39.4927, 40.7433, 100.3905 looks on a white background.

Color Contrast Check

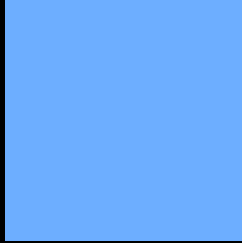
Large Text (above 18pt) WCAG AA × Fail

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 39.4927, 40.7433, 100.3905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

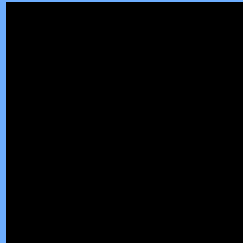
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

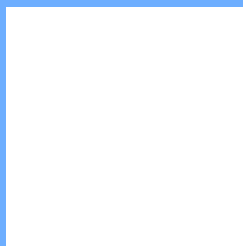
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.4927, 40.7433, 100.3905

Background



This preview shows how black text looks on a background with the XYZ color 39.4927, 40.7433, 100.3905.



This preview shows how white text looks on a background with the XYZ color 39.4927, 40.7433,

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

39.4927, 40.7433, 100.3905

Protanopia

42.4017, 40.3792, 96.0016

Deuteranopia

41.5980, 40.4212, 100.2174



Tritanopia

31.7048, 40.8943, 60.8660

Trichromacy



Original Color

39.4927, 40.7433, 100.3905

Protanomaly

41.3055, 40.6030, 97.7556

Deuteranomaly

40.7813, 40.5568, 100.2866

Tritanomaly

34.1615, 40.6480, 73.7555

Monochromacy



Original Color

39.4927, 40.7433, 100.3905

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.5823, 37.9658, 58.2761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4927, 40.7433, 100.3905 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(109, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(109, 174, 255)  
}
```

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(109, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 174, 255) }
```

Border

The CSS property to change the border of an element to XYZ 39.4927, 40.7433, 100.3905 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(109, 174, 255) }
```


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

```
.border{ border-color:rgb(109, 174, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(109, 174,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4927, 40.7433, 100.3905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 174, 255) }
```

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

```
.background{ background-color: rgb(109,  
174, 255) }
```

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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