

Converting Colors

XYZ(39.7934, 42.8403, 98.1114)

Have a look what the booklet for
XYZ(39.7934, 42.8403, 98.1114)
contains.

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Color

**XYZ(39.7176, 42.6740,
98.2390)**

Conversions

Conversions Part 1

Format	Color
Hex	69B4FC
RGB	105, 180, 252
RGB Percent	41%, 71%, 99%
CMY	0.5882, 0.2941, 0.0118
CMYK	0.58, 0.29, 0.00, 0.01
HSL	209°, 96%, 70%
HSV	209°, 58%, 99%
XYZ	39.7176, 42.6740, 98.2390
YIQ	165.7830, -67.8120, 6.4920

Conversions

Conversions Part 2

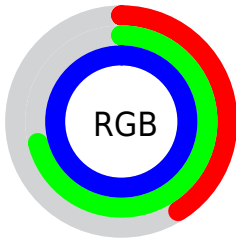
Format	Color
R _Y B	105, 155, 252
Decimal	6927612
CIE Lab	71.33, -2.63, -42.68
CIE LCh	71, 42.764, 266.480
Yxy	42.6740, 0.2199, 0.2363
Android (android.graphics.Color)	4285117692 (0xFF69B4FC)
YUV	165.7830, 42.5050, -53.3067
Hunter-Lab	65.3253, -5.7919, -43.4351

Details

The XYZ color **39.7176, 42.6740, 98.2390** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **58.4187, 53.1623, 20.5489**, and the grayscale version is **35.9672, 37.8403, 41.2081**.

A 20% lighter version of the original color is **63.7713, 75.3179, 105.7844**, and **18.1346, 19.6698, 54.4706** is the 20% darker color. If you saturate the color by 10%, you get **34.8026, 36.6050, 97.3275**, and if you desaturate by 10%, it is **45.7342, 49.6418, 99.2677**.

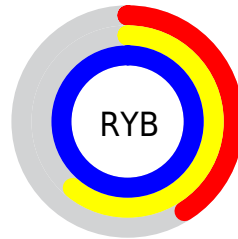
Distribution



Red (41%)

Green (71%)

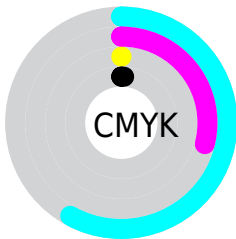
Blue (99%)



Red (41%)

Yellow (61%)

Blue (99%)

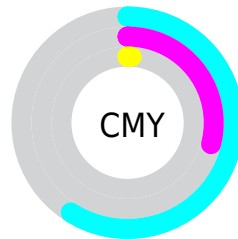


Cyan (58%)

Magenta (29%)

Yellow (0%)

Black (1%)



Cyan (59%)

Magenta (29%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7176, 42.6740, 98.2390 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 39.7176, 42.6740, 98.2390 by changing the saturation by 10% instead.

■ 39.7176, 42.6740,
98.2390

■ 39.7176, 42.6740,
98.2390

336.0867,
357.2694, 575.7302

■ 27.5017, 29.6294,
74.2220

■ 74.0204, 79.2187,
160.7658

■ 18.0889, 19.5575,
54.4779

■ 96.8379, 103.4876,
200.1126

■ 11.1139, 12.0738,
38.5881

■ 123.9200,
132.2667, 245.4065

■ 6.2113, 6.7939,
26.1341

155.6321,
165.9404, 297.0659

■ 3.0159, 3.3336,
16.6973

192.3394,
204.8931, 355.5095

■ 1.1622, 1.3083,
9.8592

234.4074,

■ 0.0762, 0.1476,

249.5093, 421.1557

5.2013

282.2014,
300.1732, 494.4231

■ 0.0000, 0.0000,
2.3051

■ 0.0000, 0.0000,
0.7341

■ 39.7176, 42.6740,
98.2390

■ 39.7176, 42.6740,
98.2390

■ 34.8026, 36.6050,
97.3275

■ 45.7342, 49.6418,
99.2677

■ 30.8990, 31.3775,
96.5242

■ 52.9237, 57.5512,
100.4154

■ 27.9075, 26.9323,
95.8238

■ 61.3561, 66.4469,
101.6880

■ 25.6901, 23.1887,
95.2181

■ 71.0943, 76.3691,
103.0899

■ 25.3644, 22.6155,
95.1247

■ 82.1967, 87.3553,
104.6253

■ 94.2722, 99.2111,
106.2773

■ 94.5708, 99.8083,
106.3768

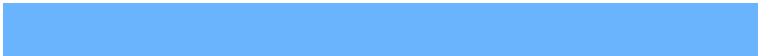
Harmonies

Analogous

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



33.3956, 42.6740, 87.9018



39.7176, 42.6740, 98.2390



47.0416, 42.6740, 91.6722

Triad

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



39.7176, 42.6740, 98.2390



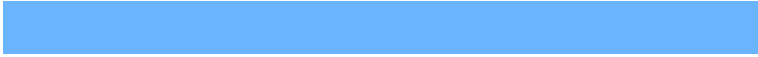
54.2343, 42.6740, 30.9534



30.0929, 42.6740, 27.8521

Complementary

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



39.7176, 42.6740, 98.2390



58.4187, 53.1623, 20.5489

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.



34.7036, 42.6740, 19.2738



39.7176, 42.6740, 98.2390



48.6829, 42.6740, 20.6575

Square

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



39.7176, 42.6740, 98.2390



55.9813, 42.6740, 48.9379



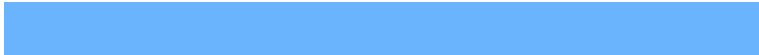
41.4150, 42.6740, 17.0931



28.2684, 42.6740, 44.0764

Rectangle

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



39.7176, 42.6740, 98.2390



51.4326, 42.6740, 79.4051



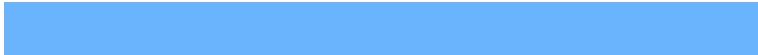
41.4150, 42.6740, 17.0931



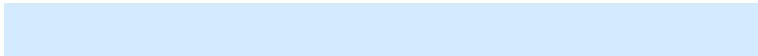
31.3396, 42.6740, 24.1873

Sweetspot

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



39.7191, 42.6755, 98.2401



74.4571, 79.8780, 106.1014



48.4791, 75.7619, 53.1708



15.4748, 16.6339, 22.6450



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.



39.7191, 42.6755, 98.2401



34.9936, 36.6236, 99.8324



28.7029, 20.6430, 94.5680



17.0152, 18.1072, 21.9835



13.3606, 12.0768, 49.6004



1.3436, 1.3308, 4.6292

Inverse Universe

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



53.4360, 34.0957, 46.9460



50.8868, 29.3092, 39.8110



76.7417, 89.8083, 26.6566



17.6142, 17.3730, 19.8242



23.0358, 11.6301, 12.1631



2.1871, 1.0986, 1.4086

Previews

White Background



This preview shows how the XYZ color 39.7176, 42.6740, 98.2390 looks on a white background.

Color Contrast Check

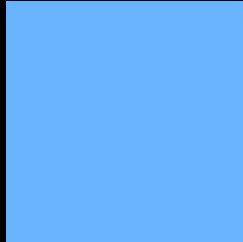
Large Text (above 18pt) WCAG AA × Fail

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 39.7176, 42.6740, 98.2390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

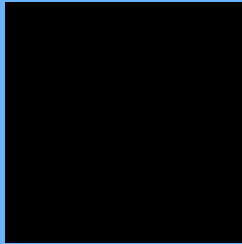
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

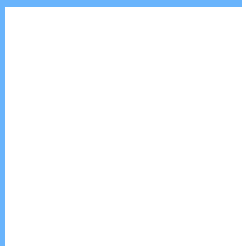
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.7176, 42.6740, 98.2390

Background



This preview shows how black text looks on a background with the XYZ color 39.7176, 42.6740, 98.2390.



This preview shows how white text looks on a background with the XYZ color 39.7176, 42.6740,

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

39.7176, 42.6740, 98.2390

Protanopia

43.8068, 42.2977, 92.2416

Deuteranopia

43.6264, 42.3235, 99.6358



Tritanopia

32.8430, 42.6861, 63.6350

Trichromacy



Original Color

39.7176, 42.6740, 98.2390

Protanomaly

41.9108, 42.1177, 94.7275

Deuteranomaly

41.9617, 42.3410, 98.8895

Tritanomaly

35.0237, 42.6136, 74.7859

Monochromacy



Original Color

39.7176, 42.6740, 98.2390

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.1426, 39.0863, 58.4628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7176, 42.6740, 98.2390 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(105, 180, 252)` looks like.

```
.text, #text, p{  
    color:rgb(105, 180, 252)  
}
```

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(105, 180, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 180, 252) }
```

Border

The CSS property to change the border of an element to XYZ 39.7176, 42.6740, 98.2390 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(105, 180, 252) }
```


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

```
.border{ border-color:rgb(105, 180, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 180, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 180, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 180, 252);  
box-shadow:4px 4px 4px 4px rgb(105, 180,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7176, 42.6740, 98.2390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 180, 252) }
```

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

```
.background{ background-color: rgb(105,  
180, 252) }
```

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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