

Converting Colors

XYZ(37.7395, 35.3031, 89.2245)

Have a look what the booklet for
XYZ(37.7395, 35.3031, 89.2245)
contains.

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Color

**XYZ(37.7390, 35.2345,
89.6059)**

Conversions

Conversions Part 1

Format	Color
Hex	859CF3
RGB	133, 156, 243
RGB Percent	52%, 61%, 95%
CMY	0.4784, 0.3882, 0.0471
CMYK	0.45, 0.36, 0.00, 0.05
HSL	227°, 82%, 74%
HSV	227°, 45%, 95%
XYZ	37.7390, 35.2345, 89.6059
YIQ	159.0410, -41.6350, 22.1810

Conversions

Conversions Part 2

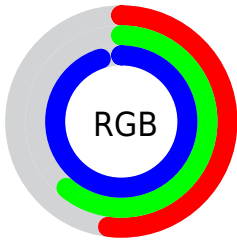
Format	Color
RYB	133, 152, 243
Decimal	8756467
CIELab	65.93, 14.35, -46.16
CIElCh	66, 48.341, 287.265
Yxy	35.2345, 0.2321, 0.2167
Android (android.graphics.Color)	4286946547 (0xFF859CF3)
YUV	159.0410, 41.3918, -22.8380
Hunter-Lab	59.3587, 9.6089, -47.9512

Details

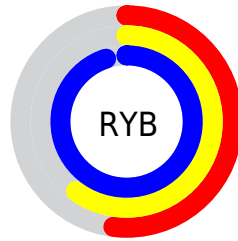
The XYZ color **37.7390, 35.2345, 89.6059** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **66.7906, 71.9368, 32.5571**, and the grayscale version is **32.8049, 34.5133, 37.5850**.

A 20% lighter version of the original color is **62.3318, 64.2603, 103.7260**, and **16.8950, 15.1848, 48.4949** is the 20% darker color. If you saturate the color by 10%, you get **31.3630, 27.5332, 88.4561**, and if you desaturate by 10%, it is **45.5152, 44.4163, 90.9690**.

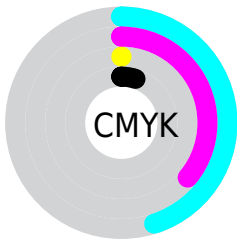
Distribution



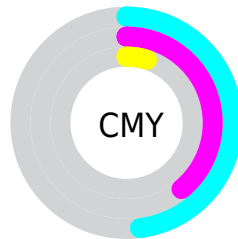
- Red (52%)
- Green (61%)
- Blue (95%)



- Red (52%)
- Yellow (60%)
- Blue (95%)



- Cyan (45%)
- Magenta (36%)
- Yellow (0%)
- Black (5%)



- Cyan (48%)
- Magenta (39%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7390, 35.2345, 89.6059 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 37.7390, 35.2345, 89.6059 by changing the saturation by 10% instead.

■ 37.7390, 35.2345,
89.6059

■ 37.7390, 35.2345,
89.6059

327.7993,
325.6022, 547.2850

■ 25.9565, 23.8436,
67.0820

■ 71.0144, 67.8489,
148.7216

■ 16.9236, 15.2176,
48.6892

■ 93.2380, 89.8411,
186.1504

■ 10.2750, 8.9723,
34.0091

■ 119.6726,
116.1359, 229.3846

■ 5.6453, 4.7231,
22.6232

150.6837,
147.1177, 278.8427

■ 2.6692, 2.0857,
14.1129

186.6365,
183.1708, 334.9432

■ 0.9814, 0.6566,
8.0596

227.8965,

■ 0.0000, 0.0000,

224.6797, 398.1048

4.0448

274.8290,
272.0287, 468.7459

■ 0.0000, 0.0000,
1.6499

■ 0.0000, 0.0000,
0.3261

■ 37.7390, 35.2345,
89.6059

■ 37.7390, 35.2345,
89.6059

■ 31.3630, 27.5332,
88.4561

■ 45.5152, 44.4163,
90.9690

■ 26.2974, 21.2289,
87.5063

■ 54.7663, 55.1486,
92.5530

■ 22.4475, 16.2348,
86.7452

■ 65.5660, 67.5011,
94.3680

■ 19.7035, 12.4525,
86.1598

■ 77.9820, 81.5384,
96.4231

■ 17.9334, 9.7674,
85.7348

■ 92.0780, 97.3213,
98.7266

■ 17.3531, 8.8217,
85.5829

■ 93.1778, 99.2511,
99.0411

Harmonies

Analogous

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



30.5482, 35.2345, 91.0318



37.7390, 35.2345, 89.6059



44.6402, 35.2345, 71.7796

Triad

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



37.7390, 35.2345, 89.6059



43.7157, 35.2345, 16.0975



21.7865, 35.2345, 30.3205

Complementary

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



37.7390, 35.2345, 89.6059



66.7906, 71.9368, 32.5571

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.



24.3697, 35.2345, 17.3630



37.7390, 35.2345, 89.6059



36.6134, 35.2345, 11.3438

Square

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



37.7390, 35.2345, 89.6059



48.4137, 35.2345, 27.8220



29.5713, 35.2345, 11.7051



21.9984, 35.2345, 51.2812

Rectangle

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



37.7390, 35.2345, 89.6059



47.8420, 35.2345, 55.6879



29.5713, 35.2345, 11.7051



22.3393, 35.2345, 25.0672

Sweetspot

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



37.7403, 35.2358, 89.6068



74.7583, 77.1357, 105.5562



54.5329, 74.2120, 78.5843



15.4010, 15.8278, 22.4933



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.



37.7403, 35.2358, 89.6068



35.7192, 31.6080, 98.8261



39.9111, 31.1583, 88.7053



15.8619, 16.4880, 20.8891



9.6017, 4.9973, 46.9965



0.9150, 0.5815, 4.1542

Inverse Universe

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



51.3516, 38.2317, 36.1264



52.8316, 36.1307, 31.4200



63.3888, 79.7679, 34.2480



16.6408, 16.5392, 17.8553



20.6510, 10.6038, 2.8707



1.8509, 0.9463, 0.4414

Previews

White Background



This preview shows how the XYZ color 37.7390, 35.2345, 89.6059 looks on a white background.

Color Contrast Check

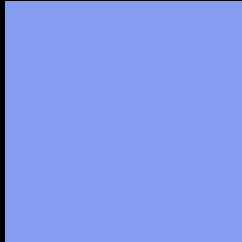
Large Text (above 18pt) WCAG AA × Fail

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 37.7390, 35.2345, 89.6059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

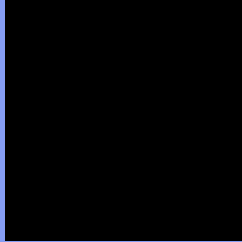
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7390, 35.2345, 89.6059

Background



This preview shows how black text looks on a background with the XYZ color 37.7390, 35.2345, 89.6059.



This preview shows how white text looks on a background with the XYZ color 37.7390, 35.2345,

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

37.7390, 35.2345, 89.6059

Protanopia

37.4394, 35.3127, 90.4307

Deuteranopia

36.1709, 35.2001, 88.8923



Tritanopia

29.6486, 35.0957, 49.4675

Trichromacy



Original Color

37.7390, 35.2345, 89.6059

Protanomaly

37.5920, 35.3914, 90.4379

Deuteranomaly

36.7113, 35.2245, 88.8685

Tritanomaly

32.2006, 35.0481, 62.1946

Monochromacy



Original Color

37.7390, 35.2345, 89.6059

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.0988, 34.6555, 53.6072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7390, 35.2345, 89.6059 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(133, 156, 243)` looks like.

```
.text, #text, p{  
    color:rgb(133, 156, 243)  
}
```

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(133, 156, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 156, 243) }
```

Border

The CSS property to change the border of an element to XYZ 37.7390, 35.2345, 89.6059 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(133, 156, 243) }
```


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

```
.border{ border-color:rgb(133, 156, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 156, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 156, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 156, 243);  
box-shadow:4px 4px 4px 4px rgb(133, 156,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7390, 35.2345, 89.6059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 156, 243) }
```

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

```
.background{ background-color: rgb(133,  
156, 243) }
```

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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