

Converting Colors

XYZ(39.0757, 37.8935, 91.5797)

Have a look what the booklet for
XYZ(39.0757, 37.8935, 91.5797)
contains.

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Color

**XYZ(39.1170, 37.9688,
91.6532)**

Conversions

Conversions Part 1

Format	Color
Hex	83A4F5
RGB	131, 164, 245
RGB Percent	51%, 64%, 96%
CMY	0.4863, 0.3569, 0.0392
CMYK	0.47, 0.33, 0.00, 0.04
HSL	223°, 85%, 74%
HSV	223°, 47%, 96%
XYZ	39.1170, 37.9688, 91.6532
YIQ	163.3670, -45.6690, 18.1950

Conversions

Conversions Part 2

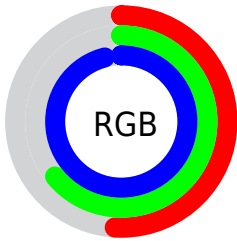
Format	Color
R_{YB}	131, 157, 245
Decimal	8627445
CIE Lab	68.00, 9.86, -44.02
CIE LCh	68, 45.106, 282.624
Yxy	37.9688, 0.2318, 0.2250
Android (android.graphics.Color)	4286817525 (0xFF83A4F5)
YUV	163.3670, 40.2451, -28.3859
Hunter-Lab	61.6188, 5.4828, -45.0561

Details

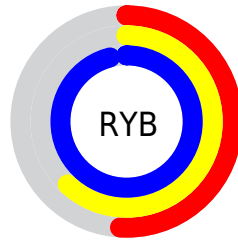
The XYZ color **39.1170, 37.9688, 91.6532** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **65.2980, 68.1403, 31.1855**, and the grayscale version is **34.8185, 36.6318, 39.8920**.

A 20% lighter version of the original color is **64.1206, 68.5744, 104.4644**, and **17.7299, 16.8576, 49.8963** is the 20% darker color. If you saturate the color by 10%, you get **32.8564, 30.4293, 90.5286**, and if you desaturate by 10%, it is **46.7039, 46.8264, 92.9637**.

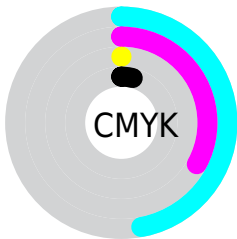
Distribution



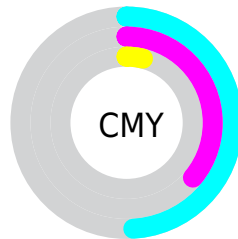
- Red (51%)
- Green (64%)
- Blue (96%)



- Red (51%)
- Yellow (62%)
- Blue (96%)



- Cyan (47%)
- Magenta (33%)
- Yellow (0%)
- Black (4%)



- Cyan (49%)
- Magenta (36%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.1170, 37.9688, 91.6532 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 39.1170, 37.9688, 91.6532 by changing the saturation by 10% instead.

■ 39.1170, 37.9688,
91.6532

■ 39.1170, 37.9688,
91.6532

333.5863,
337.4861, 554.1024

■ 27.0319, 25.9585,
68.7712

■ 73.1099, 72.0603,
151.5882

■ 17.7339, 16.7926,
50.0548

■ 95.7485, 94.9103,
189.4782

■ 10.8576, 10.0867,
35.0855

■ 122.6356,
122.1423, 233.2080

■ 6.0378, 5.4565,
23.4446

154.1365,
154.1407, 283.1961

■ 2.9089, 2.5175,
14.7138

190.6167,
191.2898, 339.8611

■ 1.1058, 0.8854,
8.4744

232.4415,

■ 0.0300, 0.0000,

233.9742, 403.6214

4.3079

279.9762,
282.5782, 474.8956

■ 0.0000, 0.0000,
1.7957

■ 0.0000, 0.0000,
0.4251

■ 39.1170, 37.9688,
91.6532

■ 39.1170, 37.9688,
91.6532

■ 32.8564, 30.4293,
90.5286

■ 46.7039, 46.8264,
92.9637

■ 27.8365, 24.1362,
89.5785

■ 55.6871, 57.0603,
94.4656

■ 23.9675, 19.0167,
88.7943

■ 66.1364, 68.7299,
96.1673

■ 21.1446, 14.9873,
88.1653

■ 78.1157, 81.8900,
98.0761

■ 19.2392, 11.9498,
87.6794

■ 91.6849, 96.5922,
100.1988

■ 18.7296, 11.0887,
87.5401

■ 93.4816, 99.3726,
100.6407

Harmonies

Analogous

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



32.2082, 37.9688, 90.2510



39.1170, 37.9688, 91.6532



46.0143, 37.9688, 76.7764

Triad

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



39.1170, 37.9688, 91.6532



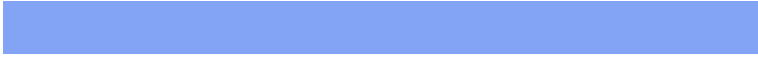
46.9504, 37.9688, 20.3124



24.6856, 37.9688, 30.8453

Complementary

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



39.1170, 37.9688, 91.6532



65.2980, 68.1403, 31.1855

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.



27.7033, 37.9688, 18.9346



39.1170, 37.9688, 91.6532



40.2680, 37.9688, 14.3483

Square

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



39.1170, 37.9688, 91.6532



50.9150, 37.9688, 33.4609



33.2199, 37.9688, 13.9428



24.4616, 37.9688, 50.3716

Rectangle

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



39.1170, 37.9688, 91.6532



49.4395, 37.9688, 61.7693



33.2199, 37.9688, 13.9428



25.3870, 37.9688, 26.0016

Sweetspot

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



39.1184, 37.9702, 91.6541



75.5487, 78.7166, 105.8197



53.7467, 74.8243, 73.1079



15.5916, 16.2090, 22.5568



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.



39.1184, 37.9702, 91.6541



36.2365, 33.6358, 99.1902



37.8878, 29.6775, 90.1183



15.9719, 16.7081, 20.9257



10.1926, 6.1790, 47.1935



0.9805, 0.7123, 4.1761

Inverse Universe

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



52.4746, 38.3271, 39.7553



52.8503, 35.2101, 34.3798



66.9358, 82.5057, 33.8720



16.6964, 16.5614, 18.1478



20.9493, 10.7231, 4.4413



1.8840, 0.9595, 0.6153

Previews

White Background



This preview shows how the XYZ color 39.1170, 37.9688, 91.6532 looks on a white background.

Color Contrast Check

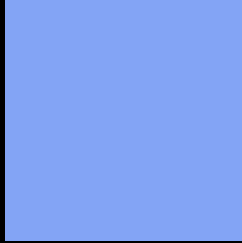
Large Text (above 18pt) WCAG AA × Fail

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 39.1170, 37.9688, 91.6532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

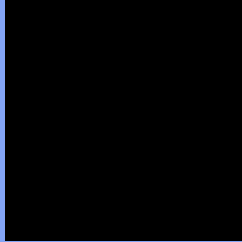
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.1170, 37.9688, 91.6532

Background



This preview shows how black text looks on a background with the XYZ color 39.1170, 37.9688, 91.6532.



This preview shows how white text looks on a background with the XYZ color 39.1170, 37.9688,

91.6532.

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

39.1170, 37.9688, 91.6532

Protanopia

39.7307, 37.7756, 90.7853

Deuteranopia

38.9628, 37.8893, 91.6460



Tritanopia

31.5855, 37.9789, 53.8100

Trichromacy



Original Color

39.1170, 37.9688, 91.6532

Protanomaly

39.4180, 37.8769, 90.8214

Deuteranomaly

38.9628, 37.8893, 91.6460

Tritanomaly

33.9567, 37.7942, 65.8269

Monochromacy



Original Color

39.1170, 37.9688, 91.6532

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.4853, 36.6240, 55.6509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.1170, 37.9688, 91.6532 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(131, 164, 245)` looks like.

```
.text, #text, p{  
    color:rgb(131, 164, 245)  
}
```

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(131, 164, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 164, 245) }
```

Border

The CSS property to change the border of an element to XYZ 39.1170, 37.9688, 91.6532 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(131, 164, 245) }
```


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

```
.border{ border-color:rgb(131, 164, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 164, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 164, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 164, 245);  
box-shadow:4px 4px 4px 4px rgb(131, 164,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 39.1170, 37.9688, 91.6532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 164, 245) }
```

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

```
.background{ background-color: rgb(131,  
164, 245) }
```

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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