

Converting Colors

XYZ(37.7029, 39.3231, 88.5800)

Have a look what the booklet for
XYZ(37.7029, 39.3231, 88.5800)
contains.

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Color

**XYZ(37.6426, 39.1897,
88.7995)**

Conversions

Conversions Part 1

Format	Color
Hex	74ABF1
RGB	116, 171, 241
RGB Percent	45%, 67%, 95%
CMY	0.5451, 0.3294, 0.0549
CMYK	0.52, 0.29, 0.00, 0.05
HSL	214°, 82%, 70%
HSV	214°, 52%, 95%
XYZ	37.6426, 39.1897, 88.7995
YIQ	162.5350, -55.2500, 10.1100

Conversions

Conversions Part 2

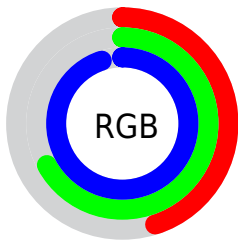
Format	Color
R _Y B	116, 154, 241
Decimal	7646193
CIE Lab	68.89, 1.29, -40.50
CIE LCh	69, 40.520, 271.818
Yxy	39.1897, 0.2273, 0.2366
Android (android.graphics.Color)	4285836273 (0xFF74ABF1)
YUV	162.5350, 38.6832, -40.8112
Hunter-Lab	62.6017, -2.2203, -40.2808

Details

The XYZ color **37.6426, 39.1897, 88.7995** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **56.9887, 55.0819, 24.1532**, and the grayscale version is **34.4375, 36.2310, 39.4555**.

A 20% lighter version of the original color is **62.7019, 70.6114, 104.9324**, and **16.8751, 17.4807, 48.3836** is the 20% darker color. If you saturate the color by 10%, you get **32.4244, 32.9070, 87.8626**, and if you desaturate by 10%, it is **43.9548, 46.4242, 89.8640**.

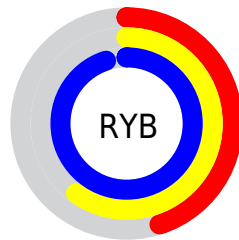
Distribution



Red (45%)

Green (67%)

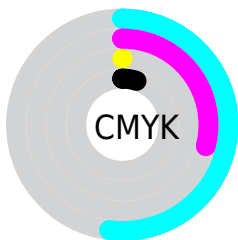
Blue (95%)



Red (45%)

Yellow (60%)

Blue (95%)

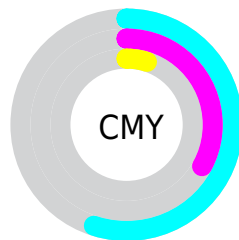


Cyan (52%)

Magenta (29%)

Yellow (0%)

Black (5%)



Cyan (55%)

Magenta (33%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6426, 39.1897, 88.7995 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 37.6426, 39.1897, 88.7995 by changing the saturation by 10% instead.

■ 37.6426, 39.1897,
88.7995

■ 37.6426, 39.1897,
88.7995

327.3918,
342.6963, 544.5869

■ 25.8814, 26.9073,
66.4173

■ 70.8674, 73.9280,
147.5906

■ 16.8671, 17.5036,
48.1526

■ 93.0618, 97.1528,
184.8366

■ 10.2345, 10.5942,
33.5869

■ 119.4645,
124.7938, 227.8743

■ 5.6182, 5.7947,
22.3016

150.4410,
157.2354, 277.1222

■ 2.6528, 2.7206,
13.8783

186.3566,
194.8621, 332.9989

■ 0.9729, 0.9877,
7.8983

227.5767,

■ 0.0000, 0.0000,

238.0582, 395.9229

3.9431

274.4666,
287.2082, 466.3127

■ 0.0000, 0.0000,
1.5942

■ 0.0000, 0.0000,
0.2867

■ 37.6426, 39.1897,
88.7995

■ 37.6426, 39.1897,
88.7995

■ 32.4244, 32.9070,
87.8626

■ 43.9548, 46.4242,
89.8640

■ 28.2225, 27.5224,
87.0447

■ 51.4228, 54.6514,
91.0584

■ 24.9545, 22.9821,
86.3406

■ 60.1085, 63.9144,
92.3885

■ 22.5211, 19.2221,
85.7431

■ 70.0680, 74.2524,
93.8590

■ 21.0352, 16.6667,
85.3282

■ 81.3536, 85.7021,
95.4742

■ 91.9216, 97.2195,
97.1403

■ 92.8773, 99.1309,
97.4589

Harmonies

Analogous

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



31.7047, 39.1897, 82.1534



37.6426, 39.1897, 88.7995



44.1612, 39.1897, 80.4256

Triad

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



37.6426, 39.1897, 88.7995



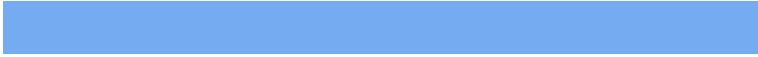
48.7843, 39.1897, 26.5805



27.3709, 39.1897, 28.0264

Complementary

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



37.6426, 39.1897, 88.7995



56.9887, 55.0819, 24.1532

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.



31.0979, 39.1897, 19.0851



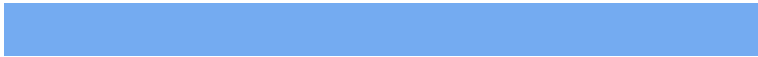
37.6426, 39.1897, 88.7995



43.4039, 39.1897, 18.4350

Square

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



37.6426, 39.1897, 88.7995



51.0367, 39.1897, 41.5564



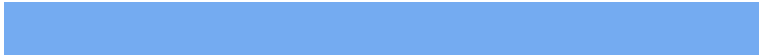
36.8574, 39.1897, 16.1461



26.1986, 39.1897, 43.8052

Rectangle

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



37.6426, 39.1897, 88.7995



47.8471, 39.1897, 68.5420



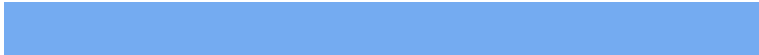
36.8574, 39.1897, 16.1461



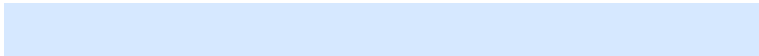
28.3436, 39.1897, 24.2984

Sweetspot

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



37.6440, 39.1911, 88.8005



74.7392, 79.3448, 105.9836



47.3898, 70.1170, 56.7988



15.4984, 16.4649, 22.6111



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.



37.6440, 39.1911, 88.8005



36.6895, 37.1966, 99.8537



30.1858, 22.9995, 86.0682



15.4696, 16.3732, 20.0666



11.5361, 9.2964, 46.3142



1.0572, 0.9683, 3.8854

Inverse Universe

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



49.8730, 34.1335, 42.4891



52.4309, 32.5611, 39.8205



68.7872, 81.7921, 28.6869



16.0617, 15.8744, 17.8811



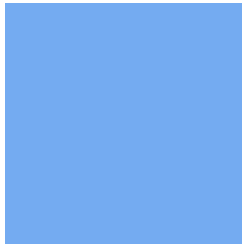
21.1485, 10.7318, 8.6985



1.8086, 0.9125, 0.9827

Previews

White Background



This preview shows how the XYZ color 37.6426, 39.1897, 88.7995 looks on a white background.

Color Contrast Check

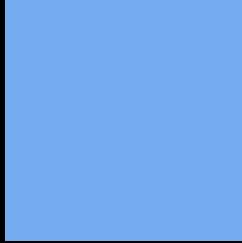
Large Text (above 18pt) WCAG AA × Fail

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 37.6426, 39.1897, 88.7995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

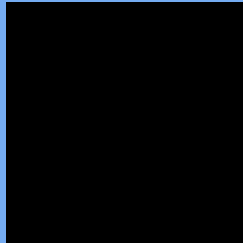
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

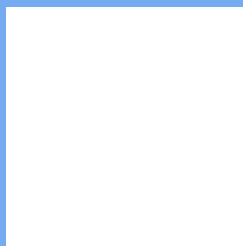
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6426, 39.1897, 88.7995

Background



This preview shows how black text looks on a background with the XYZ color 37.6426, 39.1897, 88.7995.



This preview shows how white text looks on a background with the XYZ color 37.6426, 39.1897,

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

37.6426, 39.1897, 88.7995

Protanopia

40.2725, 38.9861, 84.7594

Deuteranopia

40.1445, 39.0865, 89.4330



Tritanopia

31.3144, 39.2469, 56.9639

Trichromacy



Original Color

37.6426, 39.1897, 88.7995

Protanomaly

39.0828, 38.8788, 86.3334

Deuteranomaly

39.2356, 39.1619, 89.4955

Tritanomaly

33.4239, 39.2116, 67.4350

Monochromacy



Original Color

37.6426, 39.1897, 88.7995

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.8942, 37.1450, 54.6208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6426, 39.1897, 88.7995 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(116, 171, 241)` looks like.

```
.text, #text, p{  
    color:rgb(116, 171, 241)  
}
```

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(116, 171, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 171, 241) }
```

Border

The CSS property to change the border of an element to XYZ 37.6426, 39.1897, 88.7995 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(116, 171, 241) }
```


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

```
.border{ border-color:rgb(116, 171, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 171, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 171, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 171, 241);  
box-shadow:4px 4px 4px 4px rgb(116, 171,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6426, 39.1897, 88.7995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 171, 241) }
```

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

```
.background{ background-color: rgb(116,  
171, 241) }
```

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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