

Converting Colors

XYZ(37.3785, 37.3744, 90.0379)

Have a look what the booklet for
XYZ(37.3785, 37.3744, 90.0379)
contains.

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Color

**XYZ(37.3785, 37.3744,
90.0379)**

Conversions

Conversions Part 1

Format	Color
Hex	78A5F3
RGB	120, 165, 243
RGB Percent	47%, 65%, 95%
CMY	0.5294, 0.3529, 0.0471
CMYK	0.51, 0.32, 0.00, 0.05
HSL	218°, 84%, 71%
HSV	218°, 51%, 95%
XYZ	37.3785, 37.3744, 90.0379
YIQ	160.4370, -51.8580, 14.7180

Conversions

Conversions Part 2

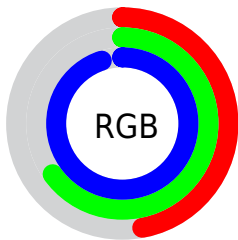
Format	Color
RYB	120, 153, 243
Decimal	7906803
CIELab	67.56, 6.16, -43.66
CIELCh	68, 44.093, 278.036
Yxy	37.3744, 0.2268, 0.2268
Android (android.graphics.Color)	4286096883 (0xFF78A5F3)
YUV	160.4370, 40.7036, -35.4632
Hunter-Lab	61.1346, 2.1517, -44.5270

Details

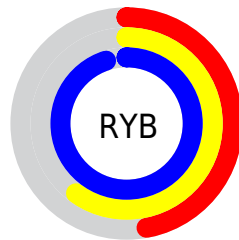
The XYZ color **37.3785, 37.3744, 90.0379** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **60.5479, 60.8010, 26.3156**, and the grayscale version is **33.4515, 35.1936, 38.3258**.

A 20% lighter version of the original color is **62.0033, 67.8714, 104.4403**, and **16.7437, 16.5405, 48.7645** is the 20% darker color. If you saturate the color by 10%, you get **31.8121, 30.6248, 89.0292**, and if you desaturate by 10%, it is **44.1375, 45.2373, 91.2001**.

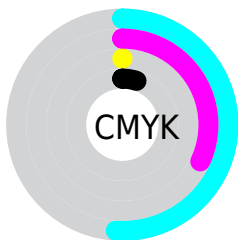
Distribution



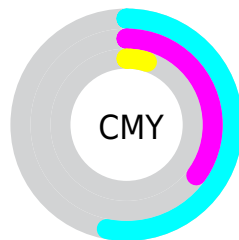
- Red (47%)
- Green (65%)
- Blue (95%)



- Red (47%)
- Yellow (60%)
- Blue (95%)



- Cyan (51%)
- Magenta (32%)
- Yellow (0%)
- Black (5%)



- Cyan (53%)
- Magenta (35%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3785, 37.3744, 90.0379 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 37.3785, 37.3744, 90.0379 by changing the saturation by 10% instead.

■ 37.3785, 37.3744,
90.0379

■ 37.3785, 37.3744,
90.0379

326.2735,
334.9286, 548.7274

■ 25.6757, 25.4975,
67.4382

■ 70.4646, 71.1482,
149.3270

■ 16.7126, 16.4481,
48.9770

■ 92.5786, 93.8140,
186.8535

■ 10.1238, 9.8418,
34.2357

■ 118.8937,
120.8448, 230.1927

■ 5.5440, 5.2942,
22.7959

149.7753,
152.6250, 279.7630

■ 2.6079, 2.4209,
14.2390

185.5887,
189.5392, 335.9831

■ 0.9500, 0.8366,
8.1464

226.6993,

■ 0.0000, 0.0000,

231.9715, 399.2716

4.0997

273.4725,
280.3066, 470.0468

■ 0.0000, 0.0000,
1.6802

■ 0.0000, 0.0000,
0.3471

■ 37.3785, 37.3744,
90.0379

■ 37.3785, 37.3744,
90.0379

■ 31.8121, 30.6248,
89.0292

■ 44.1375, 45.2373,
91.2001

■ 27.3565, 24.9267,
88.1642

■ 52.1554, 54.2625,
92.5195

■ 23.9247, 20.2174,
87.4361

■ 61.4982, 64.5004,
94.0032

■ 21.4130, 16.4237,
86.8362

■ 72.2258, 75.9974,
95.6570

■ 19.7419, 13.5992,
86.3791

■ 84.3943, 88.7968,
97.4862

■ 93.1778, 99.2511,
99.0411

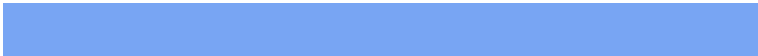
Harmonies

Analogous

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



30.8634, 37.3744, 86.1144



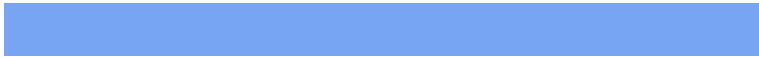
37.3785, 37.3744, 90.0379



44.1838, 37.3744, 77.7886

Triad

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



37.3785, 37.3744, 90.0379



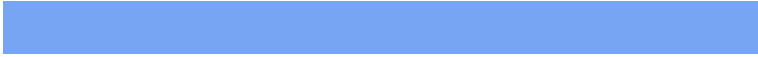
46.8220, 37.3744, 21.7404



24.7452, 37.3744, 28.2577

Complementary

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



37.3785, 37.3744, 90.0379



60.5479, 60.8010, 26.3156

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.



28.0755, 37.3744, 17.7890



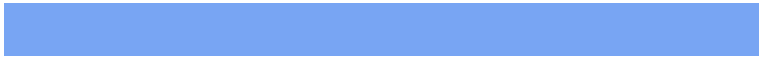
37.3785, 37.3744, 90.0379



40.6300, 37.3744, 14.9468

Square

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



37.3785, 37.3744, 90.0379



50.0713, 37.3744, 35.6913



33.7304, 37.3744, 13.7760



24.1073, 37.3744, 46.1444

Rectangle

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



37.3785, 37.3744, 90.0379



47.7813, 37.3744, 63.8531



33.7304, 37.3744, 13.7760



25.5644, 37.3744, 23.9456

Sweetspot

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



37.3799, 37.3757, 90.0388



75.0952, 78.9418, 105.8871



49.9792, 72.1679, 64.6628



15.5355, 16.3197, 22.5812



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.



37.3799, 37.3757, 90.0388



35.1933, 33.7949, 99.2759



33.1142, 25.1736, 87.9084



16.0776, 16.9194, 20.9610



10.9522, 7.6981, 47.4467



1.0570, 0.8654, 4.2016

Inverse Universe

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



50.4713, 35.2058, 39.7337



51.7756, 32.6816, 35.1904



66.9943, 81.7241, 30.0144



16.7497, 16.5827, 18.4286



21.3327, 10.8765, 6.4601



1.9226, 0.9750, 0.8187

Previews

White Background



This preview shows how the XYZ color 37.3785, 37.3744, 90.0379 looks on a white background.

Color Contrast Check

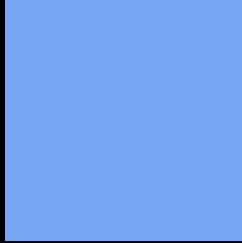
Large Text (above 18pt) WCAG AA × Fail

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 37.3785, 37.3744, 90.0379 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

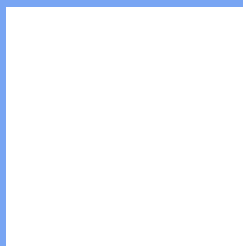
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.3785, 37.3744, 90.0379

Background



This preview shows how black text looks on a background with the XYZ color 37.3785, 37.3744, 90.0379.



This preview shows how white text looks on a background with the XYZ color 37.3785, 37.3744,

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

37.3785, 37.3744, 90.0379

Protanopia

38.9543, 37.1843, 87.5622

Deuteranopia

38.3281, 37.3326, 89.9798



Tritanopia

30.2178, 37.2612, 54.3147

Trichromacy



Original Color

37.3785, 37.3744, 90.0379

Protanomaly

38.1576, 37.0168, 88.3529

Deuteranomaly

38.0573, 37.4576, 90.0182

Tritanomaly

32.3782, 36.9805, 65.7530

Monochromacy



Original Color

37.3785, 37.3744, 90.0379

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.8916, 35.5781, 53.7962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3785, 37.3744, 90.0379 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(120, 165, 243)` looks like.

```
.text, #text, p{  
    color:rgb(120, 165, 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(120, 165, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 165, 243) }
```

Border

The CSS property to change the border of an element to XYZ 37.3785, 37.3744, 90.0379 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(120, 165, 243) }
```


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

```
.border{ border-color:rgb(120, 165, 243) }
```

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

Here you see how a box with a 4 pixel rgb(120, 165, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 165, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 165, 243);  
box-shadow:4px 4px 4px 4px rgb(120, 165,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3785, 37.3744, 90.0379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 165, 243) }
```

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

```
.background{ background-color: rgb(120,  
165, 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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