

Converting Colors

XYZ(38.4662, 37.4771, 90.5069)

Have a look what the booklet for
XYZ(38.4662, 37.4771, 90.5069)
contains.

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Color

**XYZ(38.4796, 37.3932,
90.7775)**

Conversions

Conversions Part 1

Format	Color
Hex	81A3F4
RGB	129, 163, 244
RGB Percent	51%, 64%, 96%
CMY	0.4941, 0.3608, 0.0431
CMYK	0.47, 0.33, 0.00, 0.04
HSL	222°, 84%, 73%
HSV	222°, 47%, 96%
XYZ	38.4796, 37.3932, 90.7775
YIQ	162.0680, -46.2650, 17.9830

Conversions

Conversions Part 2

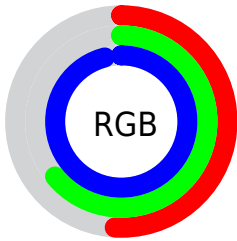
Format	Color
RYB	129, 155, 244
Decimal	8496116
CIELab	67.57, 9.67, -44.15
CIELCh	68, 45.194, 282.349
Yxy	37.3932, 0.2309, 0.2244
Android (android.graphics.Color)	4286686196 (0xFF81A3F4)
YUV	162.0680, 40.3925, -29.0006
Hunter-Lab	61.1500, 5.3115, -45.2114

Details

The XYZ color **38.4796, 37.3932, 90.7775** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **64.3188, 66.9133, 30.2963**, and the grayscale version is **34.2081, 35.9895, 39.1926**.

A 20% lighter version of the original color is **63.6149, 67.9276, 104.3662**, and **17.3623, 16.5158, 49.2865** is the 20% darker color. If you saturate the color by 10%, you get **32.3593, 30.0122, 89.6761**, and if you desaturate by 10%, it is **45.9022, 46.0624, 92.0603**.

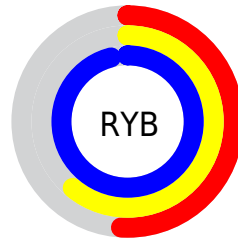
Distribution



Red (51%)

Green (64%)

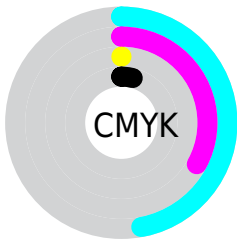
Blue (96%)



Red (51%)

Yellow (61%)

Blue (96%)

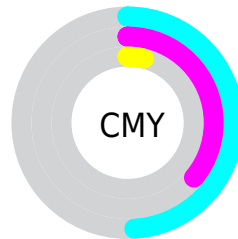


Cyan (47%)

Magenta (33%)

Yellow (0%)

Black (4%)



Cyan (49%)

Magenta (36%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4796, 37.3932, 90.7775 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 38.4796, 37.3932, 90.7775 by changing the saturation by 10% instead.

■ 38.4796, 37.3932,
90.7775

■ 38.4796, 37.3932,
90.7775

330.9183,
335.0097, 551.1920

■ 26.5340, 25.5121,
68.0483

■ 72.1418, 71.1771,
150.3628

■ 17.3583, 16.4590,
49.4701

■ 94.5892, 93.8487,
188.0561

■ 10.5872, 9.8495,
34.6243

■ 121.2678,
120.8859, 231.5745

■ 5.8552, 5.2993,
23.0924

152.5432,
152.6731, 281.3365

■ 2.7971, 2.4239,
14.4558

188.7805,
189.5947, 337.7608

■ 1.0474, 0.8382,
8.2960

230.3453,

■ 0.0000, 0.0000,

232.0350, 401.2657

4.1945

277.6027,
280.3786, 472.2700

■ 0.0000, 0.0000,
1.7326

■ 0.0000, 0.0000,
0.3829

■ 38.4796, 37.3932,
90.7775

■ 38.4796, 37.3932,
90.7775

■ 32.3593, 30.0122,
89.6761

■ 45.9022, 46.0624,
92.0603

■ 27.4564, 23.8493,
88.7450

■ 54.6963, 56.0769,
93.5298

■ 23.6822, 18.8327,
87.9756

■ 64.9310, 67.4950,
95.1943

■ 20.9322, 14.8805,
87.3577

■ 76.6693, 80.3701,
97.0608

■ 19.0758, 11.8945,
86.8792

■ 89.9705, 94.7530,
99.1359

■ 18.6555, 11.1841,
86.7642

■ 93.3293, 99.3117,
99.8388

Harmonies

Analogous

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



31.6374, 37.3932, 89.2213



38.4796, 37.3932, 90.7775



45.3357, 37.3932, 76.0992

Triad

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



38.4796, 37.3932, 90.7775



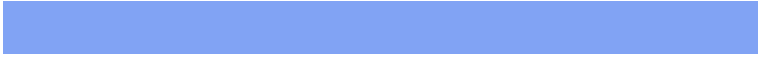
46.3725, 37.3932, 19.9755



24.2570, 37.3932, 30.1682

Complementary

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



38.4796, 37.3932, 90.7775



64.3188, 66.9133, 30.2963

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.



27.2698, 37.3932, 18.4572



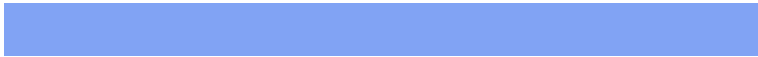
38.4796, 37.3932, 90.7775



39.7535, 37.3932, 14.0318

Square

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



38.4796, 37.3932, 90.7775



50.2757, 37.3932, 33.0584



32.7562, 37.3932, 13.5858



24.0096, 37.3932, 49.4706

Rectangle

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



38.4796, 37.3932, 90.7775



48.7562, 37.3932, 61.2077



32.7562, 37.3932, 13.5858



24.9598, 37.3932, 25.3979

Sweetspot

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



38.4810, 37.3945, 90.7784



75.6101, 78.8393, 105.8402



52.9759, 73.9978, 72.1390



15.6064, 16.2387, 22.5618



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.



38.4810, 37.3945, 90.7784



35.7663, 33.1713, 99.1254



37.1299, 28.9094, 89.2118



15.9804, 16.7251, 20.9286



10.2467, 6.2871, 47.2115



0.9861, 0.7236, 4.1779

Inverse Universe

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



51.7706, 37.5796, 39.1765



52.4968, 34.6239, 33.8895



66.1331, 81.6595, 33.0469



16.7007, 16.5631, 18.1704



20.9766, 10.7341, 4.5849



1.8868, 0.9607, 0.6303

Previews

White Background



This preview shows how the XYZ color 38.4796, 37.3932, 90.7775 looks on a white background.

Color Contrast Check

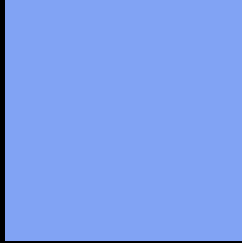
Large Text (above 18pt) WCAG AA × Fail

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 38.4796, 37.3932, 90.7775 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 38.4796, 37.3932, 90.7775

Background



This preview shows how black text looks on a background with the XYZ color 38.4796, 37.3932, 90.7775.



This preview shows how white text looks on a background with the XYZ color 38.4796, 37.3932,

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

38.4796, 37.3932, 90.7775

Protanopia

39.2391, 37.2792, 89.9215

Deuteranopia

38.3284, 37.3152, 90.7704



Tritanopia

30.8952, 37.3477, 53.1574

Trichromacy



Original Color

38.4796, 37.3932, 90.7775

Protanomaly

38.9295, 37.3801, 89.9573

Deuteranomaly

38.3284, 37.3152, 90.7704

Tritanomaly

33.2311, 37.1551, 65.0947

Monochromacy



Original Color

38.4796, 37.3932, 90.7775

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

35.0124, 36.1305, 54.9977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4796, 37.3932, 90.7775 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(129, 163, 244)` looks like.

```
.text, #text, p{  
    color:rgb(129, 163, 244)  
}
```

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(129, 163, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 163, 244) }
```

Border

The CSS property to change the border of an element to XYZ 38.4796, 37.3932, 90.7775 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(129, 163, 244) }
```


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

```
.border{ border-color:rgb(129, 163, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 163, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(129, 163, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(129, 163, 244); box-shadow:4px 4px 4px 4px rgb(129, 163, 244) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4796, 37.3932, 90.7775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 163, 244) }
```

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

```
.background{ background-color: rgb(129,  
163, 244) }
```

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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