

Converting Colors

XYZ(37.8570, 38.0544, 94.9725)

Have a look what the booklet for
XYZ(37.8570, 38.0544, 94.9725)
contains.

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Color

**XYZ(37.8570, 38.0544,
94.9725)**

Conversions

Conversions Part 1

Format	Color
Hex	72A7F9
RGB	114, 167, 249
RGB Percent	45%, 65%, 98%
CMY	0.5529, 0.3451, 0.0235
CMYK	0.54, 0.33, 0.00, 0.02
HSL	216°, 92%, 71%
HSV	216°, 54%, 98%
XYZ	37.8570, 38.0544, 94.9725
YIQ	160.5010, -57.9100, 14.2660

Conversions

Conversions Part 2

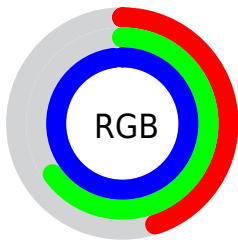
Format	Color
RYB	114, 152, 249
Decimal	7514105
CIELab	68.06, 5.55, -46.16
CIElCh	68, 46.492, 276.855
Yxy	38.0544, 0.2215, 0.2227
Android (android.graphics.Color)	4285704185 (0xFF72A7F9)
YUV	160.5010, 43.6300, -40.7814
Hunter-Lab	61.6882, 1.5879, -48.0985

Details

The XYZ color **37.8570, 38.0544, 94.9725** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **61.8459, 60.8369, 24.4045**, and the grayscale version is **33.4700, 35.2131, 38.3471**.

A 20% lighter version of the original color is **61.4049, 68.3468, 104.5636**, and **16.9118, 16.7202, 52.2051** is the 20% darker color. If you saturate the color by 10%, you get **32.4374, 31.3855, 93.9717**, and if you desaturate by 10%, it is **44.4849, 45.8285, 96.1245**.

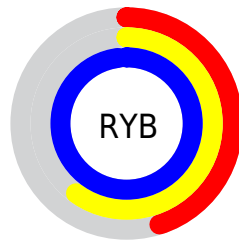
Distribution



Red (45%)

Green (65%)

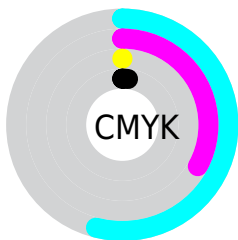
Blue (98%)



Red (45%)

Yellow (60%)

Blue (98%)

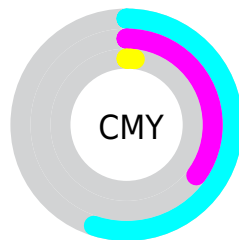


Cyan (54%)

Magenta (33%)

Yellow (0%)

Black (2%)



Cyan (55%)

Magenta (35%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8570, 38.0544, 94.9725 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 37.8570, 38.0544, 94.9725 by changing the saturation by 10% instead.

■ 37.8570, 38.0544,
94.9725

■ 37.8570, 38.0544,
94.9725

328.2976,
337.8533, 565.0590

■ 26.0484, 26.0249,
71.5153

■ 71.1942, 72.1915,
156.2219

■ 16.9927, 16.8423,
52.2784

■ 93.4536, 95.0679,
194.8511

■ 10.3246, 10.1221,
36.8433

■ 119.9272,
122.3288, 239.3749

■ 5.6786, 5.4800,
24.7913

150.9806,
154.3584, 290.2116

■ 2.6894, 2.5315,
15.7041

186.9789,
191.5413, 347.7798

■ 0.9917, 0.8924,
9.1629

228.2876,

■ 0.0000, 0.0000,

234.2618, 412.4981

4.7493

275.2721,
282.9044, 484.7850

■ 0.0000, 0.0000,
2.0448

■ 0.0000, 0.0000,
0.5826

■ 37.8570, 38.0544,
94.9725

■ 37.8570, 38.0544,
94.9725

■ 32.4374, 31.3855,
93.9717

■ 44.4849, 45.8285,
96.1245

■ 28.1373, 25.7576,
93.1120

■ 52.3925, 54.7586,
97.4314

■ 24.8613, 21.1048,
92.3866

■ 61.6503, 64.8965,
98.9003

■ 22.4925, 17.3483,
91.7864

■ 72.3224, 76.2896,
100.5369

■ 21.4436, 15.5288,
91.4905

■ 84.4682, 88.9824,
102.3467

■ 94.0990, 99.6196,
103.8923

Harmonies

Analogous

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



30.9683, 38.0544, 89.9789



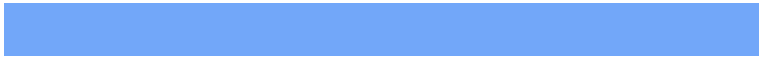
37.8570, 38.0544, 94.9725



45.1798, 38.0544, 82.2313

Triad

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



37.8570, 38.0544, 94.9725



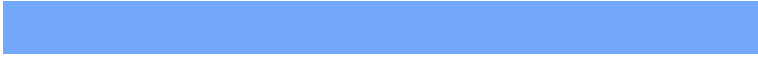
48.4933, 38.0544, 21.8246



24.8181, 38.0544, 27.6547

Complementary

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



37.8570, 38.0544, 94.9725



61.8459, 60.8369, 24.4045

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.



28.4447, 38.0544, 17.0175



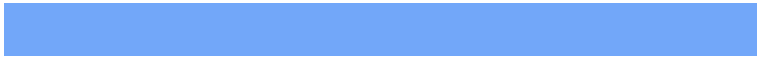
37.8570, 38.0544, 94.9725



41.9229, 38.0544, 14.5209

Square

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



37.8570, 38.0544, 94.9725



51.8291, 38.0544, 36.8553



34.5330, 38.0544, 13.1153



24.0322, 38.0544, 46.3788

Rectangle

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



37.8570, 38.0544, 94.9725



49.1247, 38.0544, 67.2843



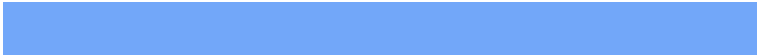
34.5330, 38.0544, 13.1153



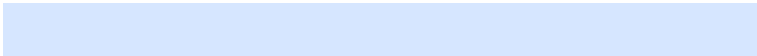
25.7194, 38.0544, 23.2331

Sweetspot

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



37.8584, 38.0557, 94.9734



74.1973, 78.2609, 105.8030



50.6669, 75.2700, 63.4897



15.3698, 16.2076, 22.5683



0.0000, 0.0000, 0.0000



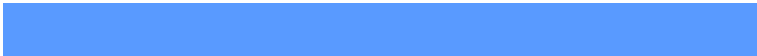
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.8584, 38.0557, 94.9734



33.8024, 32.5732, 99.1134



31.9449, 23.4266, 92.4614



16.8420, 17.7608, 21.9258



11.6069, 8.5693, 49.0158



1.1749, 0.9934, 4.5730

Inverse Universe

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



52.0605, 34.9660, 40.5656



50.6927, 30.7902, 33.9831



71.3404, 86.7146, 28.8990



17.5268, 17.3381, 19.3637



22.1506, 11.2760, 7.5017



2.1019, 1.0645, 0.9603

Previews

White Background



This preview shows how the XYZ color 37.8570, 38.0544, 94.9725 looks on a white background.

Color Contrast Check

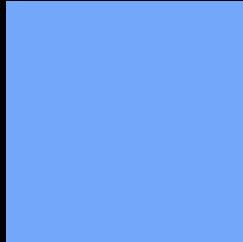
Large Text (above 18pt) WCAG AA × Fail

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 37.8570, 38.0544, 94.9725 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

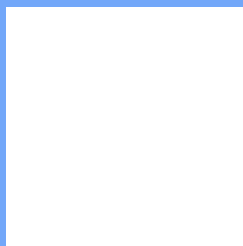
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.8570, 38.0544, 94.9725

Background



This preview shows how black text looks on a background with the XYZ color 37.8570, 38.0544, 94.9725.



This preview shows how white text looks on a background with the XYZ color 37.8570, 38.0544,

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

37.8570, 38.0544, 94.9725

Protanopia

39.7183, 37.7516, 91.5796

Deuteranopia

38.9882, 37.8130, 95.6862



Tritanopia

30.1621, 38.0707, 56.2108

Trichromacy



Original Color

37.8570, 38.0544, 94.9725

Protanomaly

38.9633, 37.8719, 92.4452

Deuteranomaly

38.5956, 37.8773, 95.7193

Tritanomaly

32.5131, 37.8429, 68.5416

Monochromacy



Original Color

37.8570, 38.0544, 94.9725

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.2244, 35.9739, 55.5919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8570, 38.0544, 94.9725 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(114, 167, 249)` looks like.

```
.text, #text, p{  
    color:rgb(114, 167, 249)  
}
```

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(114, 167, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 167, 249) }
```

Border

The CSS property to change the border of an element to XYZ 37.8570, 38.0544, 94.9725 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(114, 167, 249) }
```


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

```
.border{ border-color:rgb(114, 167, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 167, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 167, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 167, 249);  
box-shadow:4px 4px 4px 4px rgb(114, 167,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8570, 38.0544, 94.9725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 167, 249) }
```

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

```
.background{ background-color: rgb(114,  
167, 249) }
```

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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