

Converting Colors

XYZ(37.1649, 37.9706, 94.9928)

Have a look what the booklet for
XYZ(37.1649, 37.9706, 94.9928)
contains.

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Color

**XYZ(37.1649, 37.9706,
94.9928)**

Conversions

Conversions Part 1

Format	Color
Hex	6BA8F9
RGB	107, 168, 249
RGB Percent	42%, 66%, 98%
CMY	0.5804, 0.3412, 0.0235
CMYK	0.57, 0.33, 0.00, 0.02
HSL	214°, 92%, 70%
HSV	214°, 57%, 98%
XYZ	37.1649, 37.9706, 94.9928
YIQ	158.9950, -62.3570, 12.2590

Conversions

Conversions Part 2

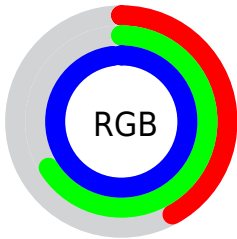
Format	Color
R _Y B	107, 150, 249
Decimal	7055609
CIE Lab	68.00, 3.56, -46.28
CIE LCh	68, 46.417, 274.398
Yxy	37.9706, 0.2185, 0.2232
Android (android.graphics.Color)	4285245689 (0xFF6BA8F9)
YUV	158.9950, 44.3725, -45.5996
Hunter-Lab	61.6203, -0.1772, -48.2663

Details

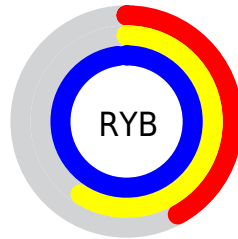
The XYZ color **37.1649, 37.9706, 94.9928** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **59.7059, 57.1705, 21.8000**, and the grayscale version is **32.7778, 34.4848, 37.5540**.

A 20% lighter version of the original color is **60.3740, 68.2108, 104.5917**, and **16.5228, 16.6899, 52.2198** is the 20% darker color. If you saturate the color by 10%, you get **32.1103, 31.6829, 94.0463**, and if you desaturate by 10%, it is **43.3704, 45.2781, 96.0770**.

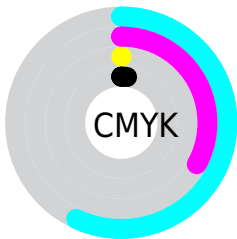
Distribution



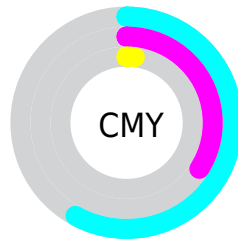
- Red (42%)
- Green (66%)
- Blue (98%)



- Red (42%)
- Yellow (59%)
- Blue (98%)



- Cyan (57%)
- Magenta (33%)
- Yellow (0%)
- Black (2%)



- Cyan (58%)
- Magenta (34%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1649, 37.9706, 94.9928 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 37.1649, 37.9706, 94.9928 by changing the saturation by 10% instead.

■ 37.1649, 37.9706,
94.9928

■ 37.1649, 37.9706,
94.9928

325.3670,
337.4938, 565.1257

■ 25.5095, 25.9599,
71.5321

■ 70.1385, 72.0631,
156.2502

■ 16.5878, 16.7936,
52.2921

■ 92.1874, 94.9136,
194.8839

■ 10.0345, 10.0875,
36.8541

■ 118.4315,
122.1462, 239.4124

■ 5.4843, 5.4570,
24.7996

149.2361,
154.1452, 290.2543

■ 2.5718, 2.5178,
15.7102

184.9666,
191.2951, 347.8280

■ 0.9316, 0.8855,
9.1672

225.9883,

■ 0.0000, 0.0000,

233.9803, 412.5521

4.7521

272.6667,
282.5850, 484.8452

■ 0.0000, 0.0000,
2.0464

■ 0.0000, 0.0000,
0.5836

■ 37.1649, 37.9706,
94.9928

■ 37.1649, 37.9706,
94.9928

■ 32.1103, 31.6829,
94.0463

■ 43.3704, 45.2781,
96.0770

■ 28.1171, 26.3534,
93.2281

■ 50.7986, 53.6535,
97.3021

■ 25.0874, 21.9179,
92.5316

■ 59.5199, 63.1461,
98.6747

■ 22.8965, 18.2970,
91.9482

■ 69.5976, 73.8006,
100.2001

■ 22.3527, 17.3469,
91.7935

■ 81.0910, 85.6590,
101.8832

■ 93.5357, 98.4929,
103.7045

■ 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.



30.4183, 37.9706, 88.5523



37.1649, 37.9706, 94.9928



44.5131, 37.9706, 83.5827

Triad

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



37.1649, 37.9706, 94.9928



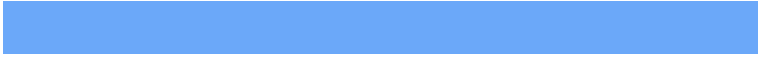
48.7971, 37.9706, 22.7069



24.9639, 37.9706, 26.4354

Complementary

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



37.1649, 37.9706, 94.9928



59.7059, 57.1705, 21.8000

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.



28.8026, 37.9706, 16.4527



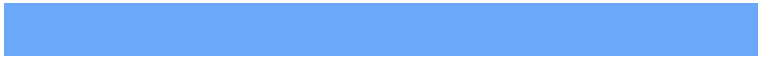
37.1649, 37.9706, 94.9928



42.4261, 37.9706, 14.8578

Square

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



37.1649, 37.9706, 94.9928



51.7735, 37.9706, 38.3692



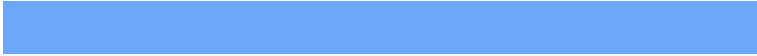
35.0359, 37.9706, 13.0252



23.9442, 37.9706, 44.4677

Rectangle

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



37.1649, 37.9706, 94.9928



48.5929, 37.9706, 69.0710



35.0359, 37.9706, 13.0252



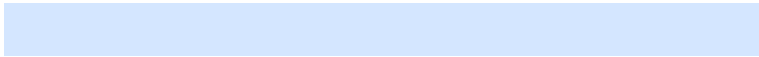
25.9397, 37.9706, 22.2513

Sweetspot

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



37.1663, 37.9719, 94.9937



73.4730, 77.9100, 105.7734



48.9603, 74.4862, 59.0749



15.2429, 16.1701, 22.5677



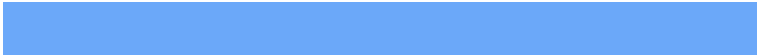
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.1663, 37.9719, 94.9937



33.3979, 32.8018, 99.1789



29.6230, 21.1020, 92.1351



16.8961, 17.8691, 21.9439



12.0995, 9.5546, 49.1801



1.2235, 1.0907, 4.5892

Inverse Universe

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



51.3938, 33.4840, 40.8012



50.2353, 29.6376, 34.5637



72.3076, 87.2576, 26.9432



17.5541, 17.3490, 19.5077



22.3993, 11.3754, 8.8112



2.1265, 1.0743, 1.0896

Previews

White Background



This preview shows how the XYZ color 37.1649, 37.9706, 94.9928 looks on a white background.

Color Contrast Check

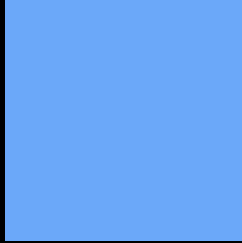
Large Text (above 18pt) WCAG AA × Fail

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 37.1649, 37.9706, 94.9928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

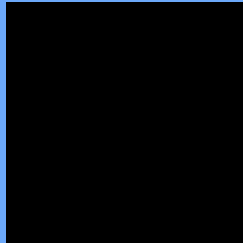
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

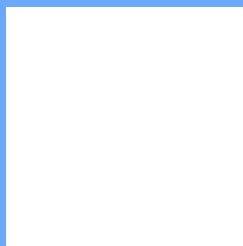
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1649, 37.9706, 94.9928

Background



This preview shows how black text looks on a background with the XYZ color 37.1649, 37.9706, 94.9928.



This preview shows how white text looks on a background with the XYZ color 37.1649, 37.9706,

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

37.1649, 37.9706, 94.9928

Protanopia

39.5660, 37.6907, 90.7776

Deuteranopia

38.8430, 37.7381, 95.6794



Tritanopia

29.4921, 38.0217, 56.2366

Trichromacy



Original Color

37.1649, 37.9706, 94.9928

Protanomaly

38.5142, 37.6404, 92.4242

Deuteranomaly

38.1817, 37.6639, 95.7000

Tritanomaly

31.8544, 37.7912, 68.5663

Monochromacy



Original Color

37.1649, 37.9706, 94.9928

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.2500, 35.2219, 54.9152

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1649, 37.9706, 94.9928 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(107, 168, 249)` looks like.

```
.text, #text, p{  
    color:rgb(107, 168, 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(107, 168, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 168, 249) }
```

Border

The CSS property to change the border of an element to XYZ 37.1649, 37.9706, 94.9928 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(107, 168, 249) }
```


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

```
.border{ border-color:rgb(107, 168, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 168, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 168, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 168, 249);  
box-shadow:4px 4px 4px 4px rgb(107, 168,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1649, 37.9706, 94.9928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 168, 249) }
```

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

```
.background{ background-color: rgb(107,  
168, 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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