

Converting Colors

XYZ(37.8712, 39.4876, 91.4979)

Have a look what the booklet for
XYZ(37.8712, 39.4876, 91.4979)
contains.

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Color

**XYZ(37.8917, 39.5474,
91.2243)**

Conversions

Conversions Part 1

Format	Color
Hex	71ACF4
RGB	113, 172, 244
RGB Percent	44%, 67%, 96%
CMY	0.5568, 0.3255, 0.0431
CMYK	0.54, 0.30, 0.00, 0.04
HSL	213°, 86%, 70%
HSV	213°, 54%, 96%
XYZ	37.8917, 39.5474, 91.2243
YIQ	162.5670, -58.2760, 9.8840

Conversions

Conversions Part 2

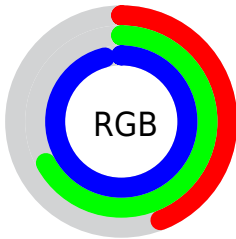
Format	Color
RYB	113, 154, 244
Decimal	7449844
CIELab	69.15, 0.98, -41.74
CIELCh	69, 41.753, 271.350
Yxy	39.5474, 0.2247, 0.2345
Android (android.graphics.Color)	4285639924 (0xFF71ACF4)
YUV	162.5670, 40.1465, -43.4703
Hunter-Lab	62.8867, -2.4986, -41.9861

Details

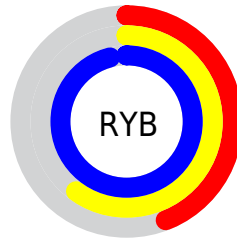
The XYZ color **37.8917, 39.5474, 91.2243** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **57.6395, 55.1256, 23.2270**, and the grayscale version is **34.4469, 36.2408, 39.4663**.

A 20% lighter version of the original color is **62.5323, 70.9288, 105.0026**, and **16.9527, 17.6738, 49.5316** is the 20% darker color. If you saturate the color by 10%, you get **32.7394, 33.2921, 90.2892**, and if you desaturate by 10%, it is **44.1481, 46.7556, 92.2867**.

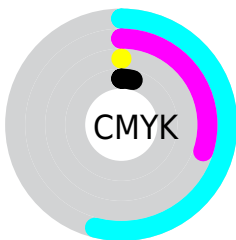
Distribution



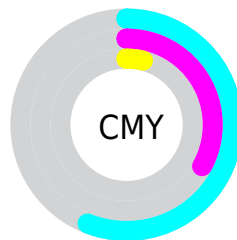
- Red (44%)
- Green (67%)
- Blue (96%)



- Red (44%)
- Yellow (60%)
- Blue (96%)



- Cyan (54%)
- Magenta (30%)
- Yellow (0%)
- Black (4%)



- Cyan (56%)
- Magenta (33%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8917, 39.5474, 91.2243 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 37.8917, 39.5474, 91.2243 by changing the saturation by 10% instead.

■ 37.8917, 39.5474,
91.2243

■ 37.8917, 39.5474,
91.2243

328.4441,
344.2122, 552.6780

■ 26.0755, 27.1858,
68.4171

■ 71.2471, 74.4738,
150.9882

■ 17.0131, 17.7128,
49.7683

■ 93.5169, 97.8075,
188.7819

■ 10.3392, 10.7440,
34.8595

■ 120.0021,
125.5672, 232.4083

■ 5.6884, 5.8950,
23.2720

151.0678,
158.1376, 282.2858

■ 2.6954, 2.7813,
14.5873

187.0795,
195.9028, 338.8330

■ 0.9948, 1.0187,
8.3868

228.4026,

■ 0.0000, 0.0000,

239.2474, 402.4684

4.2522

275.4023,
288.5558, 473.6105

■ 0.0000, 0.0000,
1.7647

■ 0.0000, 0.0000,
0.4045

■ 37.8917, 39.5474,
91.2243

■ 37.8917, 39.5474,
91.2243

■ 32.7394, 33.2921,
90.2892

■ 44.1481, 46.7556,
92.2867

■ 28.6101, 27.9346,
89.4728

■ 51.5733, 54.9589,
93.4787

■ 25.4169, 23.4190,
88.7695

■ 60.2316, 64.2015,
94.8063

■ 23.0537, 19.6782,
88.1720

■ 70.1810, 74.5232,
96.2743

■ 21.8935, 17.6601,
87.8436

■ 81.4758, 85.9617,
97.8868

■ 92.5270, 97.7071,
99.5714

■ 93.3293, 99.3117,
99.8389

Harmonies

Analogous

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



31.7672, 39.5474, 84.0196



37.8917, 39.5474, 91.2243



44.6658, 39.5474, 82.6751

Triad

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



37.8917, 39.5474, 91.2243



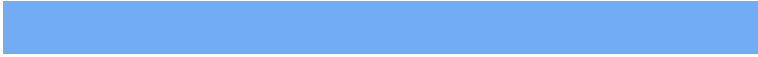
49.6433, 39.5474, 26.6344



27.4171, 39.5474, 27.7378

Complementary

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



37.8917, 39.5474, 91.2243



57.6395, 55.1256, 23.2270

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.



31.3015, 39.5474, 18.6878



37.8917, 39.5474, 91.2243



44.0810, 39.5474, 18.1959

Square

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



37.8917, 39.5474, 91.2243



51.9278, 39.5474, 42.2005



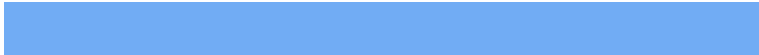
37.2872, 39.5474, 15.7838



26.1668, 39.5474, 43.9319

Rectangle

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



37.8917, 39.5474, 91.2243



48.5241, 39.5474, 70.3245



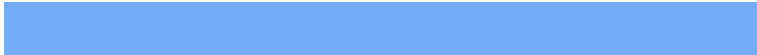
37.2872, 39.5474, 15.7838



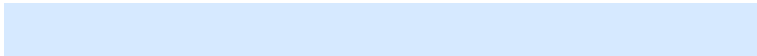
28.4334, 39.5474, 23.9484

Sweetspot

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



37.8931, 39.5488, 91.2253



74.8587, 79.5838, 106.0235



47.6956, 71.6266, 56.0404



15.5268, 16.5217, 22.6206



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.



37.8931, 39.5488, 91.2253



35.9531, 36.5038, 99.7588



29.6214, 22.1511, 88.3031



16.1957, 17.1558, 21.0004



12.0365, 9.8669, 47.8081



1.1590, 1.0694, 4.2356

Inverse Universe

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



50.6610, 34.0236, 42.9280



51.8688, 31.6073, 39.1079



71.1432, 84.3557, 28.1572



16.8094, 16.6066, 18.7427



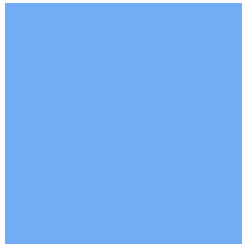
21.8800, 11.0954, 9.3424



1.9741, 0.9956, 1.0899

Previews

White Background



This preview shows how the XYZ color 37.8917, 39.5474, 91.2243 looks on a white background.

Color Contrast Check

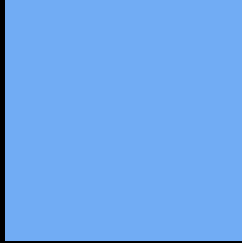
Large Text (above 18pt) WCAG AA × Fail

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 37.8917, 39.5474, 91.2243 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

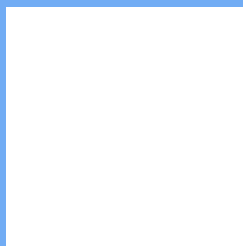
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.8917, 39.5474, 91.2243

Background



This preview shows how black text looks on a background with the XYZ color 37.8917, 39.5474, 91.2243.



This preview shows how white text looks on a background with the XYZ color 37.8917, 39.5474,

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

37.8917, 39.5474, 91.2243

Protanopia

40.8933, 39.5242, 87.1350

Deuteranopia

40.4535, 39.4642, 91.8714



Tritanopia

31.3115, 39.5201, 58.2024

Trichromacy



Original Color

37.8917, 39.5474, 91.2243

Protanomaly

39.5527, 39.3427, 88.7283

Deuteranomaly

39.5715, 39.5577, 91.9360

Tritanomaly

33.4101, 39.4697, 68.8083

Monochromacy



Original Color

37.8917, 39.5474, 91.2243

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.8277, 37.0979, 55.1942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8917, 39.5474, 91.2243 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(113, 172, 244)` looks like.

```
.text, #text, p{  
    color:rgb(113, 172, 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(113, 172, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 172, 244) }
```

Border

The CSS property to change the border of an element to XYZ 37.8917, 39.5474, 91.2243 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(113, 172, 244) }
```


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

```
.border{ border-color:rgb(113, 172, 244) }
```

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

Here you see how a box with a 4 pixel rgb(113, 172, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 172, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 172, 244);  
box-shadow:4px 4px 4px 4px rgb(113, 172,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8917, 39.5474, 91.2243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 172, 244) }
```

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

```
.background{ background-color: rgb(113,  
172, 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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