

Converting Colors

XYZ(37.8235, 40.8062, 94.7098)

Have a look what the booklet for
XYZ(37.8235, 40.8062, 94.7098)
contains.

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Color

**XYZ(37.9209, 40.9309,
94.7087)**

Conversions

Conversions Part 1

Format	Color
Hex	64B1F8
RGB	100, 177, 248
RGB Percent	39%, 69%, 97%
CMY	0.6078, 0.3059, 0.0274
CMYK	0.60, 0.29, 0.00, 0.03
HSL	209°, 91%, 68%
HSV	209°, 60%, 97%
XYZ	37.9209, 40.9309, 94.7087
YIQ	162.0710, -68.6830, 5.7570

Conversions

Conversions Part 2

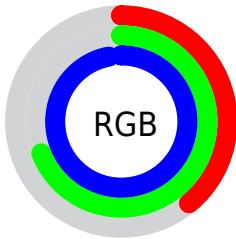
Format	Color
R _Y B	100, 151, 248
Decimal	6599160
CIE Lab	70.13, -3.15, -42.42
CIE LCh	70, 42.536, 265.750
Yxy	40.9309, 0.2185, 0.2358
Android (android.graphics.Color)	4284789240 (0xFF64B1F8)
YUV	162.0710, 42.3630, -54.4363
Hunter-Lab	63.9773, -6.1589, -42.9858

Details

The XYZ color **37.9209, 40.9309, 94.7087** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **55.5764, 50.0049, 18.7812**, and the grayscale version is **34.2083, 35.9898, 39.1929**.

A 20% lighter version of the original color is **61.6046, 72.5103, 105.3567**, and **17.0468, 18.5882, 51.9796** is the 20% darker color. If you saturate the color by 10%, you get **33.3354, 35.2297, 93.8508**, and if you desaturate by 10%, it is **43.5489, 47.4750, 95.6760**.

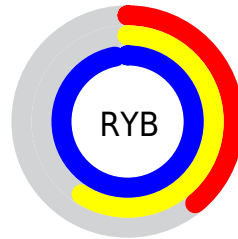
Distribution



Red (39%)

Green (69%)

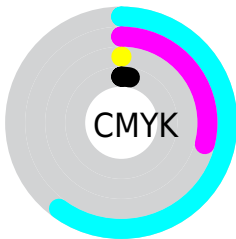
Blue (97%)



Red (39%)

Yellow (59%)

Blue (97%)

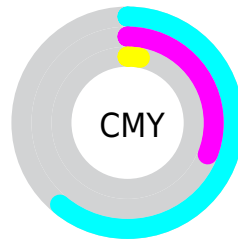


Cyan (60%)

Magenta (29%)

Yellow (0%)

Black (3%)



Cyan (61%)

Magenta (31%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9209, 40.9309, 94.7087 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 37.9209, 40.9309, 94.7087 by changing the saturation by 10% instead.

■ 37.9209, 40.9309,
94.7087

■ 37.9209, 40.9309,
94.7087

328.5673,
350.0317, 564.1925

■ 26.0982, 28.2651,
71.2970

■ 71.2916, 76.5790,
155.8542

■ 17.0302, 18.5256,
52.1013

■ 93.5703, 100.3301,
194.4251

■ 10.3515, 11.3280,
36.7030

■ 120.0650,
128.5450, 238.8862

■ 5.6967, 6.2879,
24.6837

151.1412,
161.6082, 289.6559

■ 2.7004, 3.0209,
15.6246

187.1642,
199.9041, 347.1528

■ 0.9974, 1.1427,
9.1075

228.4993,

■ 0.0000, 0.0141,

243.8171, 411.7956

4.7136

275.5118,
293.7315, 484.0026

■ 0.0000, 0.0000,
2.0244

■ 0.0000, 0.0000,
0.5702

■ 37.9209, 40.9309,
94.7087

■ 37.9209, 40.9309,
94.7087

■ 33.3354, 35.2297,
93.8508

■ 43.5489, 47.4750,
95.6760

■ 29.7042, 30.3162,
93.0937

■ 50.2885, 54.9032,
96.7546

■ 26.9300, 26.1330,
92.4325

■ 58.2076, 63.2582,
97.9499

■ 24.8582, 22.5918,
91.8582

■ 67.3670, 72.5785,
99.2661

■ 24.7969, 22.4844,
91.8407

■ 77.8232, 82.8996,
100.7072

■ 89.6287, 94.2555,
102.2769

■ 93.9434, 99.5574,
103.0729

Harmonies

Analogous

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



31.8523, 40.9309, 84.3107



37.9209, 40.9309, 94.7087



45.0072, 40.9309, 88.7273

Triad

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



37.9209, 40.9309, 94.7087



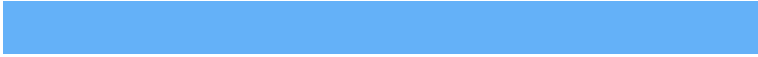
52.2341, 40.9309, 29.9131



28.8638, 40.9309, 26.3004

Complementary

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



37.9209, 40.9309, 94.7087



55.5764, 50.0049, 18.7812

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.



33.3784, 40.9309, 18.2061



37.9209, 40.9309, 94.7087



46.9256, 40.9309, 19.8139

Square

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



37.9209, 40.9309, 94.7087



53.8213, 40.9309, 47.4659



39.9031, 40.9309, 16.2452



27.0335, 40.9309, 41.7882

Rectangle

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



37.9209, 40.9309, 94.7087



49.2901, 40.9309, 76.9886



39.9031, 40.9309, 16.2452



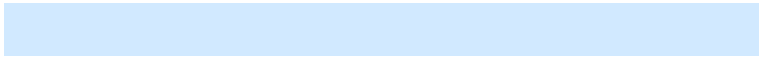
30.0895, 40.9309, 22.8283

Sweetspot

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



37.9224, 40.9323, 94.7097



73.5060, 79.0563, 105.9930



45.9921, 72.7124, 49.1819



15.0805, 16.2678, 22.5951



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.



37.9224, 40.9323, 94.7097



34.4820, 36.1828, 99.7743



27.2453, 19.5781, 91.1507



17.0302, 18.1372, 21.9885



13.5366, 12.4289, 49.6591



1.3599, 1.3635, 4.6347

Inverse Universe

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



51.2057, 32.2468, 45.1216



50.4864, 28.6046, 39.3806



73.0832, 85.0187, 24.6168



17.6218, 17.3761, 19.8639



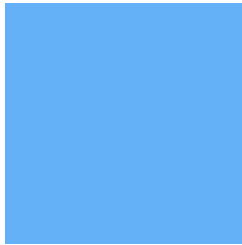
23.1247, 11.6656, 12.6310



2.1953, 1.1019, 1.4521

Previews

White Background



This preview shows how the XYZ color 37.9209, 40.9309, 94.7087 looks on a white background.

Color Contrast Check

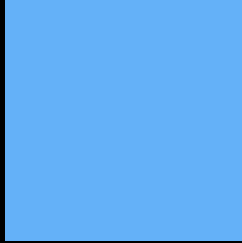
Large Text (above 18pt) WCAG AA × Fail

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 37.9209, 40.9309, 94.7087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

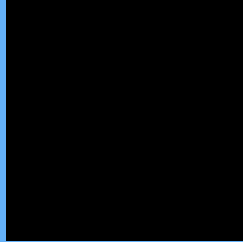
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

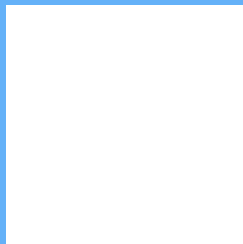
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.9209, 40.9309, 94.7087

Background



This preview shows how black text looks on a background with the XYZ color 37.9209, 40.9309, 94.7087.

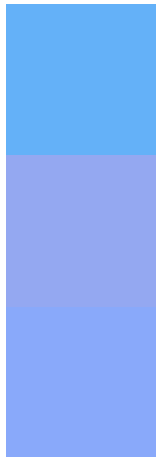


This preview shows how white text looks on a background with the XYZ color 37.9209, 40.9309,

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

37.9209, 40.9309, 94.7087

Protanopia

42.0926, 40.6520, 88.8472

Deuteranopia

41.7598, 40.5964, 96.0774



Tritanopia

31.3260, 40.9971, 61.5205

Trichromacy



Original Color

37.9209, 40.9309, 94.7087

Protanomaly

40.2521, 40.4828, 91.2804

Deuteranomaly

40.1636, 40.6297, 95.3480

Tritanomaly

33.5189, 40.9552, 72.4682

Monochromacy



Original Color

37.9209, 40.9309, 94.7087

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.0918, 36.9767, 55.7925

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9209, 40.9309, 94.7087 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(100, 177, 248)` looks like.

```
.text, #text, p{  
    color:rgb(100, 177, 248)  
}
```

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(100, 177, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 177, 248) }
```

Border

The CSS property to change the border of an element to XYZ 37.9209, 40.9309, 94.7087 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(100, 177, 248) }
```


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

```
.border{ border-color:rgb(100, 177, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 177, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 177, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 177, 248);  
box-shadow:4px 4px 4px 4px rgb(100, 177,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9209, 40.9309, 94.7087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 177, 248) }
```

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

```
.background{ background-color: rgb(100,  
177, 248) }
```

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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