

Converting Colors

XYZ(37.1519, 38.6257, 95.6498)

Have a look what the booklet for
XYZ(37.1519, 38.6257, 95.6498)
contains.

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Color

**XYZ(37.1095, 38.4764,
95.9133)**

Conversions

Conversions Part 1

Format	Color
Hex	66AAFA
RGB	102, 170, 250
RGB Percent	40%, 67%, 98%
CMY	0.6000, 0.3333, 0.0196
CMYK	0.59, 0.32, 0.00, 0.02
HSL	212°, 94%, 69%
HSV	212°, 59%, 98%
XYZ	37.1095, 38.4764, 95.9133
YIQ	158.7880, -66.2080, 10.4640

Conversions

Conversions Part 2

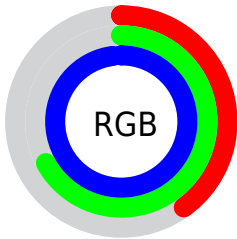
Format	Color
RYB	102, 149, 250
Decimal	6728442
CIELab	68.37, 1.78, -46.25
CIELCh	68, 46.289, 272.201
Yxy	38.4764, 0.2164, 0.2244
Android (android.graphics.Color)	4284918522 (0xFF66AAFA)
YUV	158.7880, 44.9675, -49.8031
Hunter-Lab	62.0293, -1.7625, -48.2570

Details

The XYZ color **37.1095, 38.4764, 95.9133** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **58.5524, 54.7418, 20.0524**, and the grayscale version is **32.6823, 34.3843, 37.4445**.

A 20% lighter version of the original color is **60.0795, 68.8570, 104.7319**, and **16.5050, 17.0138, 52.8662** is the 20% darker color. If you saturate the color by 10%, you get **32.2872, 32.4215, 94.9995**, and if you desaturate by 10%, it is **43.0491, 45.4951, 96.9558**.

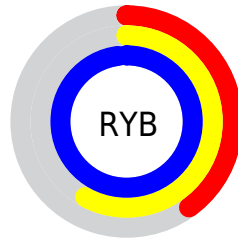
Distribution



Red (40%)

Green (67%)

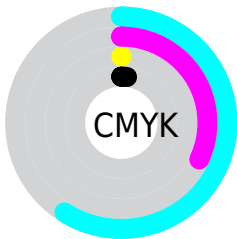
Blue (98%)



Red (40%)

Yellow (58%)

Blue (98%)

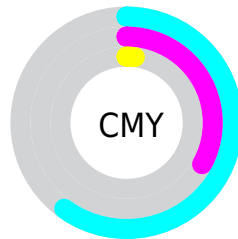


Cyan (59%)

Magenta (32%)

Yellow (0%)

Black (2%)



Cyan (60%)

Magenta (33%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1095, 38.4764, 95.9133 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 37.1095, 38.4764, 95.9133 by changing the saturation by 10% instead.

■ 37.1095, 38.4764,
95.9133

■ 37.1095, 38.4764,
95.9133

325.1317,
339.6592, 568.1435

■ 25.4663, 26.3526,
72.2943

■ 70.0539, 72.8377,
157.5322

■ 16.5554, 17.0876,
52.9108

■ 92.0859, 95.8441,
196.3691

■ 10.0114, 10.2970,
37.3443

■ 118.3115,
123.2468, 241.1157

■ 5.4688, 5.5963,
25.1763

149.0961,
155.4303, 292.1906

■ 2.5624, 2.6012,
15.9883

184.8050,
192.7789, 350.0123

■ 0.9268, 0.9273,
9.3616

225.8037,

■ 0.0000, 0.0000,

235.6769, 414.9993

4.8777

272.4575,
284.5089, 487.5702

■ 0.0000, 0.0000,
2.1182

■ 0.0000, 0.0000,
0.6266

■ 37.1095, 38.4764,
95.9133

■ 37.1095, 38.4764,
95.9133

■ 32.2872, 32.4215,
94.9995

■ 43.0491, 45.4951,
96.9558

■ 28.4907, 27.2697,
94.2052

■ 50.1788, 53.5245,
98.1298

■ 25.6187, 22.9575,
93.5243

■ 58.5697, 62.6124,
99.4417

■ 23.5199, 19.3937,
92.9470

■ 68.2858, 72.8022,
100.8965

■ 23.3705, 19.1323,
92.9044

■ 79.3864, 84.1343,
102.4987

■ 91.9270, 96.6469,
104.2529

■ 94.2555, 99.6822,
104.7161

Harmonies

Analogous

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



30.4368, 38.4764, 88.1650



37.1095, 38.4764, 95.9133



44.5284, 38.4764, 85.6671

Triad

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



37.1095, 38.4764, 95.9133



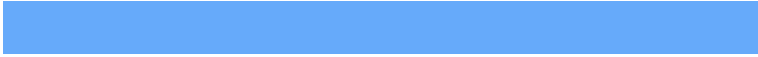
49.7059, 38.4764, 23.9918



25.5564, 38.4764, 25.8732

Complementary

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



37.1095, 38.4764, 95.9133



58.5524, 54.7418, 20.0524

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.



29.6224, 38.4764, 16.3467



37.1095, 38.4764, 95.9133



43.4778, 38.4764, 15.5403

Square

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



37.1095, 38.4764, 95.9133



52.3752, 38.4764, 40.3773



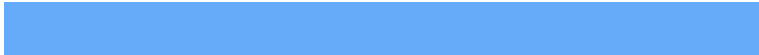
36.0371, 38.4764, 13.2908



24.3159, 38.4764, 43.4488

Rectangle

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



37.1095, 38.4764, 95.9133



48.7520, 38.4764, 71.4979



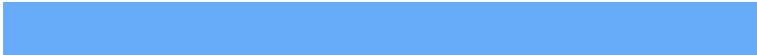
36.0371, 38.4764, 13.2908



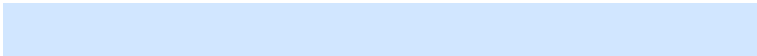
26.6089, 38.4764, 21.8519

Sweetspot

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



37.1109, 38.4777, 95.9143



72.7221, 77.4886, 105.7317



48.0002, 74.5306, 55.5382



14.8898, 15.8864, 22.5316



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.



37.1109, 38.4777, 95.9143



32.9497, 32.8328, 99.2085



28.0637, 19.5284, 92.7335



16.9401, 17.9571, 21.9585



12.5365, 10.4286, 49.3257



1.2658, 1.1752, 4.6033

Inverse Universe

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



51.4327, 32.7307, 41.6383



49.7826, 28.5897, 34.8524



74.2644, 88.7559, 25.7896



17.5763, 17.3579, 19.6246



22.6199, 11.4637, 9.9727



2.1478, 1.0829, 1.2018

Previews

White Background



This preview shows how the XYZ color 37.1095, 38.4764, 95.9133 looks on a white background.

Color Contrast Check

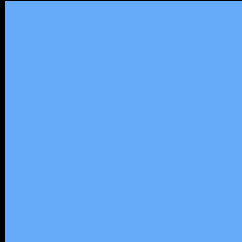
Large Text (above 18pt) WCAG AA × Fail

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 37.1095, 38.4764, 95.9133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

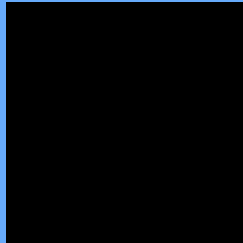
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

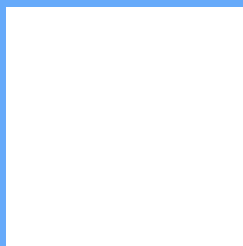
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1095, 38.4764, 95.9133

Background



This preview shows how black text looks on a background with the XYZ color 37.1095, 38.4764, 95.9133.



This preview shows how white text looks on a background with the XYZ color 37.1095, 38.4764,

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

37.1095, 38.4764, 95.9133

Protanopia

40.0738, 38.2150, 90.8521

Deuteranopia

39.3252, 38.2353, 96.5743



Tritanopia

29.5161, 38.6076, 57.5261

Trichromacy



Original Color

37.1095, 38.4764, 95.9133

Protanomaly

38.8750, 38.3619, 92.5444

Deuteranomaly

38.5674, 38.3844, 96.6430

Tritanomaly

31.9184, 38.3768, 70.0152

Monochromacy



Original Color

37.1095, 38.4764, 95.9133

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.0929, 35.4034, 54.9585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1095, 38.4764, 95.9133 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(102, 170, 250)` looks like.

```
.text, #text, p{  
    color:rgb(102, 170, 250)  
}
```

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(102, 170, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 170, 250) }
```

Border

The CSS property to change the border of an element to XYZ 37.1095, 38.4764, 95.9133 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(102, 170, 250) }
```


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

```
.border{ border-color:rgb(102, 170, 250) }
```

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

Here you see how a box with a 4 pixel rgb(102, 170, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 170, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 170, 250);  
box-shadow:4px 4px 4px 4px rgb(102, 170,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1095, 38.4764, 95.9133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 170, 250) }
```

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

```
.background{ background-color: rgb(102,  
170, 250) }
```

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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