

Converting Colors

XYZ(37.7054, 38.2219,
102.9038)

Have a look what the booklet for
XYZ(37.7054, 38.2219, 102.9038)
contains.

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Color

**XYZ(37.2750, 38.1926,
100.0151)**

Conversions

Conversions Part 1

Format	Color
Hex	62A9FF
RGB	98, 169, 255
RGB Percent	38%, 66%, 100%
CMY	0.6157, 0.3372, 0.0000
CMYK	0.62, 0.34, 0.00, 0.00
HSL	213°, 100%, 69%
HSV	213°, 62%, 100%
XYZ	37.2750, 38.1926, 100.0151
YIQ	157.5750, -69.9220, 11.6940

Conversions

Conversions Part 2

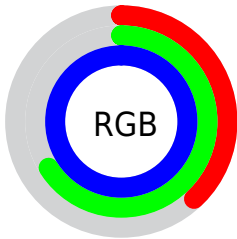
Format	Color
R _Y B	98, 147, 255
Decimal	6466047
CIE Lab	68.16, 3.22, -49.31
CIE LCh	68, 49.413, 273.732
Yxy	38.1926, 0.2124, 0.2176
Android (android.graphics.Color)	4284656127 (0xFF62A9FF)
YUV	157.5750, 48.0305, -52.2473
Hunter-Lab	61.8002, -0.4873, -52.6926

Details

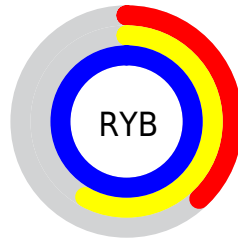
The XYZ color **37.2750, 38.1926, 100.0151** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **60.5869, 56.4258, 19.2554**, and the grayscale version is **32.1211, 33.7939, 36.8016**.

A 20% lighter version of the original color is **59.2029, 68.0049, 104.6137**, and **16.6294, 16.8385, 55.7998** is the 20% darker color. If you saturate the color by 10%, you get **32.4875, 32.0712, 99.0858**, and if you desaturate by 10%, it is **43.2188, 45.3234, 101.0782**.

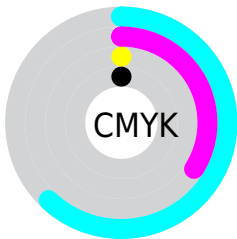
Distribution



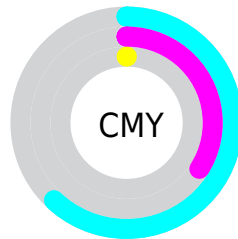
- Red (38%)
- Green (66%)
- Blue (100%)



- Red (38%)
- Yellow (58%)
- Blue (100%)



- Cyan (62%)
- Magenta (34%)
- Yellow (0%)
- Black (0%)



- Cyan (62%)
- Magenta (34%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2750, 38.1926, 100.0151 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 37.2750, 38.1926, 100.0151 by changing the saturation by 10% instead.

■ 37.2750, 38.1926,
100.0151

■ 37.2750, 38.1926,
100.0151

■ 325.8345,
338.4455, 581.4882

■ 25.5951, 26.1322,
75.6962

■ 70.3066, 72.4032,
163.2300

■ 16.6521, 16.9226,
55.6783

■ 92.3891, 95.3223,
202.9631

■ 10.0805, 10.1793,
39.5428

■ 118.6698,
122.6297, 248.6713

■ 5.5151, 5.5180,
26.8712

■ 149.5141,
154.7098, 300.7731

■ 2.5903, 2.5543,
17.2449

■ 185.2874,
191.9470, 359.6872

■ 0.9410, 0.9037,
10.2454

■ 226.3550,

■ 0.0000, 0.0000,

234.7258, 425.8321

5.4543

273.0822,
283.4305, 499.6262

■ 0.0000, 0.0000,
2.4528

■ 0.0000, 0.0000,
0.8150

■ 37.2750, 38.1926,
100.0151

■ 37.2750, 38.1926,
100.0151

■ 32.4875, 32.0712,
99.0858

■ 43.2188, 45.3234,
101.0782

■ 28.7571, 26.8934,
98.2830

■ 50.3985, 53.5153,
102.2809

■ 25.9719, 22.5886,
97.5989

■ 58.8905, 62.8200,
103.6293

■ 24.2166, 19.5532,
97.1055

■ 68.7636, 73.2842,
105.1288

■ 80.0813, 84.9518,
106.7843

■ 92.9033, 97.8638,
108.6008

■ 95.0500, 100.0000,
108.9000

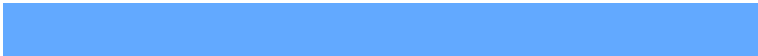
Harmonies

Analogous

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



30.1237, 38.1926, 92.4982



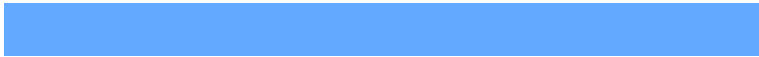
37.2750, 38.1926, 100.0151



45.1770, 38.1926, 87.8661

Triad

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



37.2750, 38.1926, 100.0151



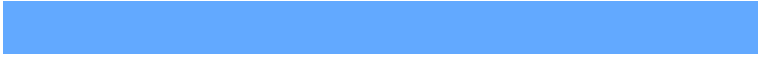
50.0876, 38.1926, 22.1740



24.5576, 38.1926, 25.4747

Complementary

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



37.2750, 38.1926, 100.0151



60.5869, 56.4258, 19.2554

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.



28.6710, 38.1926, 15.3156



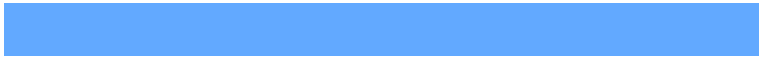
37.2750, 38.1926, 100.0151



43.2697, 38.1926, 13.9384

Square

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



37.2750, 38.1926, 100.0151



53.2064, 38.1926, 38.8810



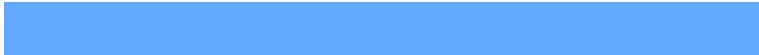
35.3440, 38.1926, 11.9661



23.4194, 38.1926, 44.4121

Rectangle

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



37.2750, 38.1926, 100.0151



49.6223, 38.1926, 72.1192



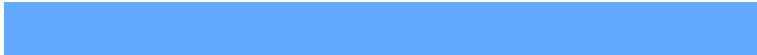
35.3440, 38.1926, 11.9661



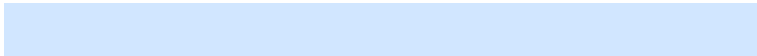
25.6064, 38.1926, 21.1765

Sweetspot

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



37.2763, 38.1938, 100.0152



72.6297, 77.3037, 105.7009



49.2143, 77.4837, 56.4758



14.8674, 15.8415, 22.5241



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.



37.2763, 38.1938, 100.0152



31.4857, 30.7260, 98.8790



28.0398, 18.8549, 96.7692



17.6795, 18.7306, 22.9335



12.7982, 10.5060, 50.7879



1.3535, 1.2377, 4.9808

Inverse Universe

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



52.7701, 32.8617, 41.0987



48.8432, 27.4465, 32.2715



77.3059, 92.6830, 25.3726



18.3509, 18.1237, 20.4649



23.2481, 11.7885, 9.9571



2.3178, 1.1695, 1.2549

Previews

White Background



This preview shows how the XYZ color 37.2750, 38.1926, 100.0151 looks on a white background.

Color Contrast Check

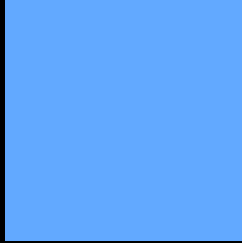
Large Text (above 18pt) WCAG AA × Fail

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 37.2750, 38.1926, 100.0151 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

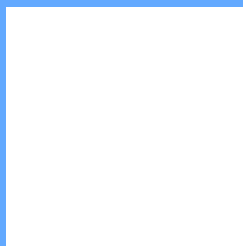
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2750, 38.1926, 100.0151

Background



This preview shows how black text looks on a background with the XYZ color 37.2750, 38.1926, 100.0151.



This preview shows how white text looks on a background with the XYZ color 37.2750, 38.1926,

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

37.2750, 38.1926, 100.0151

Protanopia

40.0109, 37.8311, 94.8159

Deuteranopia

39.1129, 38.0522, 99.8911



Tritanopia

28.9419, 38.2985, 58.0915

Trichromacy



Original Color

37.2750, 38.1926, 100.0151

Protanomaly

38.8938, 38.0129, 96.5541

Deuteranomaly

38.2418, 37.8719, 99.9022

Tritanomaly

31.5548, 38.1595, 71.3480

Monochromacy



Original Color

37.2750, 38.1926, 100.0151

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.6993, 34.9252, 55.4699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2750, 38.1926, 100.0151 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(98, 169, 255)` looks like.

```
.text, #text, p{  
    color:rgb(98, 169, 255)  
}
```

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(98, 169, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 169, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.2750, 38.1926, 100.0151 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(98, 169, 255) }
```


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

```
.border{ border-color:rgb(98, 169, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 169, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 169, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 169, 255);  
box-shadow:4px 4px 4px 4px rgb(98, 169,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2750, 38.1926, 100.0151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 169, 255) }
```

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

```
.background{ background-color: rgb(98, 169,  
255) }
```

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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