

Converting Colors

XYZ(40.3601, 40.5932,
111.5275)

Have a look what the booklet for
XYZ(40.3601, 40.5932, 111.5275)
contains.

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Color

**XYZ(38.2491, 39.8165,
100.2771)**

Conversions

Conversions Part 1

Format	Color
Hex	64ADFF
RGB	100, 173, 255
RGB Percent	39%, 68%, 100%
CMY	0.6078, 0.3216, 0.0000
CMYK	0.61, 0.32, 0.00, 0.00
HSL	212°, 100%, 70%
HSV	212°, 61%, 100%
XYZ	38.2491, 39.8165, 100.2771
YIQ	160.5210, -69.8300, 10.0260

Conversions

Conversions Part 2

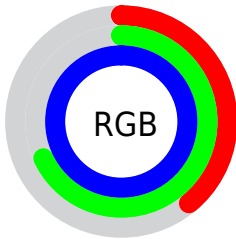
Format	Color
R _Y B	100, 150, 255
Decimal	6598143
CIE Lab	69.34, 1.31, -47.45
CIE LCh	69, 47.468, 271.577
Yxy	39.8165, 0.2145, 0.2233
Android (android.graphics.Color)	4284788223 (0xFF64ADFF)
YUV	160.5210, 46.5781, -53.0769
Hunter-Lab	63.1003, -2.2254, -50.0516

Details

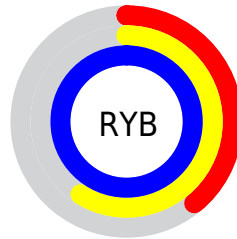
The XYZ color **38.2491, 39.8165, 100.2771** is a light color, and the websafe version is hex **3399FF**. A complement of this color would be **60.2698, 55.6385, 19.6214**, and the grayscale version is **33.4702, 35.2133, 38.3473**.

A 20% lighter version of the original color is **60.6937, 70.3882, 104.9951**, and **17.2274, 17.8535, 55.9642** is the 20% darker color. If you saturate the color by 10%, you get **33.3996, 33.6687, 99.3461**, and if you desaturate by 10%, it is **44.2448, 46.9442, 101.3369**.

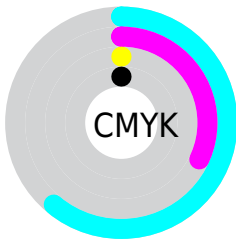
Distribution



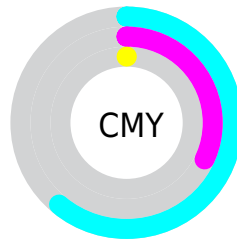
- Red (39%)
- Green (68%)
- Blue (100%)



- Red (39%)
- Yellow (59%)
- Blue (100%)



- Cyan (61%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (61%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2491, 39.8165, 100.2771 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 38.2491, 39.8165, 100.2771 by changing the saturation by 10% instead.

■ 38.2491, 39.8165,
100.2771

■ 38.2491, 39.8165,
100.2771

329.9497,
345.3495, 582.3350

■ 26.3542, 27.3955,
75.9138

■ 71.7912, 74.8840,
163.5931

■ 17.2229, 17.8705,
55.8556

■ 94.1691, 98.2993,
203.3829

■ 10.4898, 10.8570,
39.6839

■ 120.7721,
126.1482, 249.1520

■ 5.7896, 5.9708,
26.9803

151.9654,
158.8150, 301.3188

■ 2.7570, 2.8273,
17.3261

188.1145,
196.6841, 360.3020

■ 1.0266, 1.0423,
10.3029

229.5847,

■ 0.0000, 0.0000,

240.1400, 426.5201

5.4920

276.7413,
289.5670, 500.3916

■ 0.0000, 0.0000,
2.4750

■ 0.0000, 0.0000,
0.8269

■ 38.2491, 39.8165,
100.2771

■ 38.2491, 39.8165,
100.2771

■ 33.3996, 33.6687,
99.3461

■ 44.2448, 46.9442,
101.3369

■ 29.5991, 28.4374,
98.5367

■ 51.4645, 55.1010,
102.5308

■ 26.7385, 24.0550,
97.8415

■ 59.9833, 64.3369,
103.8645

■ 24.7777, 20.6754,
97.2926

■ 69.8688, 74.6967,
105.3432

■ 81.1834, 86.2224,
106.9715

■ 93.9857, 98.9537,
108.7541

■ 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.



31.2905, 39.8165, 91.7149



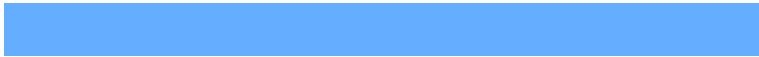
38.2491, 39.8165, 100.2771



46.0464, 39.8165, 89.8248

Triad

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



38.2491, 39.8165, 100.2771



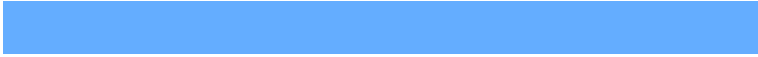
51.7485, 39.8165, 24.8844



26.3665, 39.8165, 26.2917

Complementary

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



38.2491, 39.8165, 100.2771



60.2698, 55.6385, 19.6214

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.



30.6792, 39.8165, 16.5316



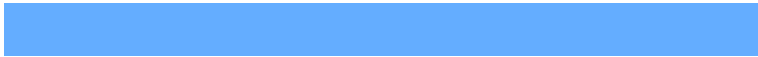
38.2491, 39.8165, 100.2771



45.2549, 39.8165, 15.9317

Square

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



38.2491, 39.8165, 100.2771



54.4602, 39.8165, 42.2087



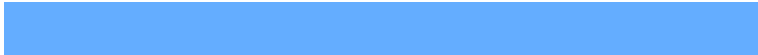
37.4425, 39.8165, 13.4824



25.0070, 39.8165, 44.5186

Rectangle

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



38.2491, 39.8165, 100.2771



50.5222, 39.8165, 75.0067



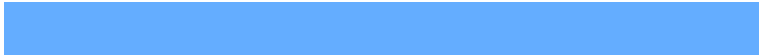
37.4425, 39.8165, 13.4824



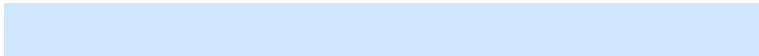
27.4875, 39.8165, 22.1561

Sweetspot

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



38.2504, 39.8178, 100.2773



72.8695, 77.7833, 105.7808



49.2635, 77.5286, 55.5947



14.9256, 15.9580, 22.5435



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.



38.2504, 39.8178, 100.2773



32.4692, 32.4310, 99.1562



28.1547, 19.1954, 96.8289



17.7084, 18.7885, 22.9432



13.0936, 11.0968, 50.8864



1.3832, 1.2971, 4.9907

Inverse Universe

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



53.3410, 33.3931, 43.1705



49.4036, 27.9157, 34.4675



78.3566, 93.2136, 25.9208



18.3655, 18.1295, 20.5418



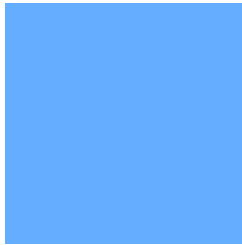
23.3972, 11.8482, 10.7423



2.3328, 1.1755, 1.3338

Previews

White Background



This preview shows how the XYZ color 38.2491, 39.8165, 100.2771 looks on a white background.

Color Contrast Check

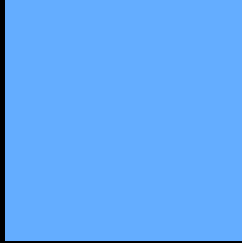
Large Text (above 18pt) WCAG AA × Fail

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 38.2491, 39.8165, 100.2771 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

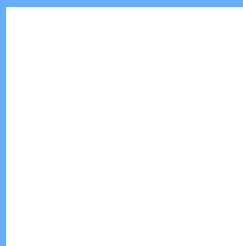
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.2491, 39.8165, 100.2771

Background



This preview shows how black text looks on a background with the XYZ color 38.2491, 39.8165, 100.2771.



This preview shows how white text looks on a background with the XYZ color 38.2491, 39.8165,

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

38.2491, 39.8165, 100.2771

Protanopia

41.5503, 39.6874, 95.0930

Deuteranopia

40.8050, 39.7373, 100.1271



Tritanopia

30.2733, 39.8603, 60.1311

Trichromacy



Original Color

38.2491, 39.8165, 100.2771

Protanomaly

40.0580, 39.7009, 96.8186

Deuteranomaly

39.7608, 39.7514, 100.1849

Tritanomaly

32.6747, 39.5960, 72.9385

Monochromacy



Original Color

38.2491, 39.8165, 100.2771

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.9529, 36.3394, 56.8544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2491, 39.8165, 100.2771 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, 173, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 173, 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(100, 173, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 173, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.2491, 39.8165, 100.2771 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, 173, 255) }
```


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

```
.border{ border-color:rgb(100, 173, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 173, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 173, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 173, 255);  
box-shadow:4px 4px 4px 4px rgb(100, 173,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2491, 39.8165, 100.2771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 173, 255) }
```

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

```
.background{ background-color: rgb(100,  
173, 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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