

Converting Colors

XYZ(38.7542, 41.3261,
100.5419)

Have a look what the booklet for
XYZ(38.7542, 41.3261, 100.5419)
contains.

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Color

**XYZ(38.7019, 41.2057,
100.5214)**

Conversions

Conversions Part 1

Format	Color
Hex	61B1FF
RGB	97, 177, 255
RGB Percent	38%, 69%, 100%
CMY	0.6196, 0.3059, 0.0000
CMYK	0.62, 0.31, 0.00, 0.00
HSL	210°, 100%, 69%
HSV	210°, 62%, 100%
XYZ	38.7019, 41.2057, 100.5214
YIQ	161.9720, -72.7180, 7.2980

Conversions

Conversions Part 2

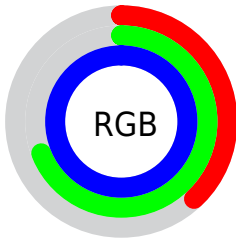
Format	Color
R _Y B	97, 150, 255
Decimal	6402559
CIE Lab	70.32, -1.47, -45.92
CIE LCh	70, 45.940, 268.164
Yxy	41.2057, 0.2145, 0.2284
Android (android.graphics.Color)	4284592639 (0xFF61B1FF)
YUV	161.9720, 45.8628, -56.9804
Hunter-Lab	64.1917, -4.7157, -47.9114

Details

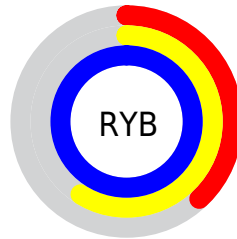
The XYZ color **38.7019, 41.2057, 100.5214** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **58.7292, 52.7855, 18.4046**, and the grayscale version is **34.1477, 35.9260, 39.1235**.

A 20% lighter version of the original color is **61.2047, 72.3042, 105.3380**, and **17.5392, 18.7509, 56.1210** is the 20% darker color. If you saturate the color by 10%, you get **34.0356, 35.2781, 99.6232**, and if you desaturate by 10%, it is **44.4733, 48.0449, 101.5373**.

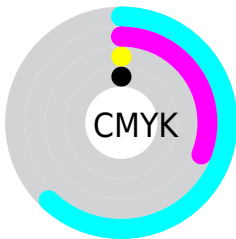
Distribution



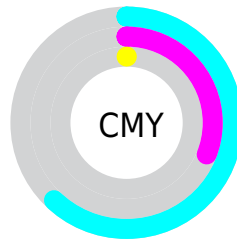
- Red (38%)
- Green (69%)
- Blue (100%)



- Red (38%)
- Yellow (59%)
- Blue (100%)



- Cyan (62%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (62%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7019, 41.2057, 100.5214 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 38.7019, 41.2057, 100.5214 by changing the saturation by 10% instead.

■ 38.7019, 41.2057,
100.5214

■ 38.7019, 41.2057,
100.5214

331.8505,
351.1796, 583.1240

■ 26.7076, 28.4798,
76.1167

■ 72.4797, 76.9961,
163.9316

■ 17.4892, 18.6877,
56.0210

■ 94.9939, 100.8293,
203.7743

■ 10.6813, 11.4448,
39.8157

■ 121.7454,
129.1339, 249.6001

■ 5.9187, 6.3669,
27.0822

■ 153.0996,
162.2941, 301.8274

■ 2.8359, 3.0694,
17.4020

189.4219,
200.6944, 360.8750

■ 1.0676, 1.1681,
10.3565

231.0775,

■ 0.0000, 0.0354,

244.7192, 427.1612

5.5273

278.4319,
294.7528, 501.1047

■ 0.0000, 0.0000,
2.4957

■ 0.0000, 0.0000,
0.8379

■ 38.7019, 41.2057,
100.5214

■ 38.7019, 41.2057,
100.5214

■ 34.0356, 35.2781,
99.6232

■ 44.4733, 48.0449,
101.5373

■ 30.3769, 30.2006,
98.8360

■ 51.4271, 55.8423,
102.6759

■ 27.6157, 25.9077,
98.1529

■ 59.6379, 64.6456,
103.9423

■ 25.9149, 22.9498,
97.6716

■ 69.1725, 74.4974,
105.3414

■ 80.0927, 85.4375,
106.8775

■ 92.4562, 97.5033,
108.5548

■ 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.



32.0000, 41.2057, 90.2289



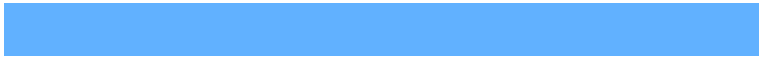
38.7019, 41.2057, 100.5214



46.4190, 41.2057, 92.3660

Triad

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



38.7019, 41.2057, 100.5214



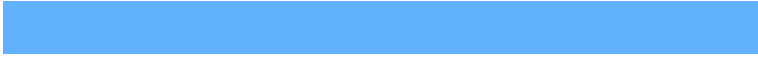
53.3970, 41.2057, 27.9739



28.0876, 41.2057, 26.3250

Complementary

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



38.7019, 41.2057, 100.5214



58.7292, 52.7855, 18.4046

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.



32.7087, 41.2057, 17.3013



38.7019, 41.2057, 100.5214



47.3263, 41.2057, 18.0160

Square

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



38.7019, 41.2057, 100.5214



55.5275, 41.2057, 46.2101



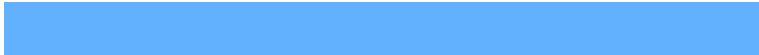
39.6313, 41.2057, 14.8339



26.3808, 41.2057, 43.5482

Rectangle

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



38.7019, 41.2057, 100.5214



50.9983, 41.2057, 78.6752



39.6313, 41.2057, 14.8339



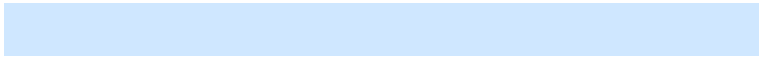
29.3199, 41.2057, 22.4679

Sweetspot

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



38.7033, 41.2071, 100.5216



72.2552, 77.6179, 105.7812



48.2694, 77.0934, 52.0601



14.8270, 15.9671, 22.5504



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.



38.7033, 41.2071, 100.5216



33.2096, 34.1738, 99.4536



27.5035, 18.8076, 96.7884



17.7632, 18.8980, 22.9614



13.6908, 12.2912, 51.0854



1.4423, 1.4154, 5.0104

Inverse Universe

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



53.4515, 32.9854, 45.1458



49.7134, 27.7946, 36.8536



78.3238, 91.9746, 24.9361



18.3931, 18.1406, 20.6874



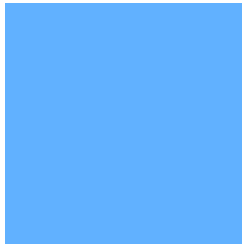
23.6987, 11.9688, 12.3297



2.3626, 1.1874, 1.4910

Previews

White Background



This preview shows how the XYZ color 38.7019, 41.2057, 100.5214 looks on a white background.

Color Contrast Check

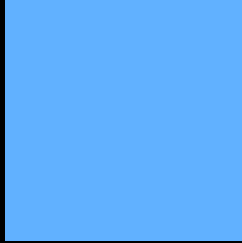
Large Text (above 18pt) WCAG AA × Fail

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 38.7019, 41.2057, 100.5214 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

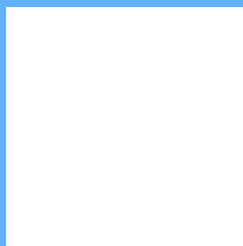
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7019, 41.2057, 100.5214

Background



This preview shows how black text looks on a background with the XYZ color 38.7019, 41.2057, 100.5214.



This preview shows how white text looks on a background with the XYZ color 38.7019, 41.2057,

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

38.7019, 41.2057, 100.5214

Protanopia

42.6230, 40.8023, 94.4361

Deuteranopia

42.0976, 40.9560, 100.2943



Tritanopia

31.0295, 41.1445, 62.1834

Trichromacy



Original Color

38.7019, 41.2057, 100.5214

Protanomaly

40.8776, 40.6800, 96.9643

Deuteranomaly

40.7393, 41.1002, 100.3937

Tritanomaly

33.2929, 40.7929, 74.5257

Monochromacy



Original Color

38.7019, 41.2057, 100.5214

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.2638, 37.0262, 57.5654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7019, 41.2057, 100.5214 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(97, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(97, 177, 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(97, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 177, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.7019, 41.2057, 100.5214 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(97, 177, 255) }
```


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

```
.border{ border-color:rgb(97, 177, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(97, 177,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7019, 41.2057, 100.5214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 177, 255) }
```

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

```
.background{ background-color: rgb(97, 177,  
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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