

Converting Colors

XYZ(38.6115, 47.8961,
101.8176)

Have a look what the booklet for
XYZ(38.6115, 47.8961, 101.8176)
contains.

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Color

**XYZ(38.5533, 47.7676,
101.7958)**

Conversions

Conversions Part 1

Format	Color
Hex	15C6FF
RGB	21, 198, 255
RGB Percent	8%, 78%, 100%
CMY	0.9175, 0.2235, 0.0000
CMYK	0.92, 0.22, 0.00, 0.00
HSL	195°, 100%, 54%
HSV	195°, 92%, 100%
XYZ	38.5533, 47.7676, 101.7958
YIQ	151.5750, -123.7890, -19.7970

Conversions

Conversions Part 2

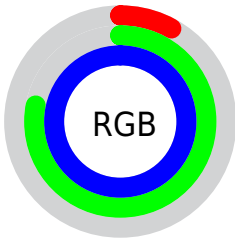
Format	Color
R _Y B	21, 122, 255
Decimal	1427199
CIE Lab	74.68, -20.73, -39.22
CIE LCh	75, 44.364, 242.139
Yxy	47.7676, 0.2049, 0.2539
Android (android.graphics.Color)	4279617279 (0xFF15C6FF)
YUV	151.5750, 50.9885, -114.5143
Hunter-Lab	69.1141, -21.3786, -38.9463

Details

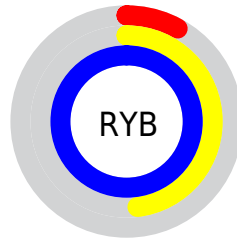
The XYZ color **38.5533, 47.7676, 101.7958** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **44.1030, 26.7688, 3.5539**, and the grayscale version is **29.4939, 31.0298, 33.7915**.

A 20% lighter version of the original color is **61.2812, 82.5916, 107.3196**, and **20.1663, 24.0237, 57.0002** is the 20% darker color. If you saturate the color by 10%, you get **37.0926, 45.3051, 101.3975**, and if you desaturate by 10%, it is **40.8453, 51.1014, 102.3185**.

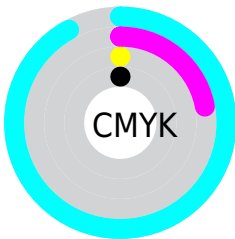
Distribution



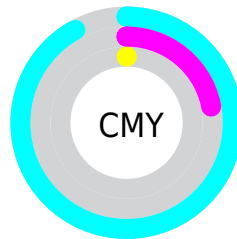
- Red (8%)
- Green (78%)
- Blue (100%)



- Red (8%)
- Yellow (48%)
- Blue (100%)



- Cyan (92%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (92%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5533, 47.7676, 101.7958 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 38.5533, 47.7676, 101.7958 by changing the saturation by 10% instead.

 38.5533, 47.7676,
101.7958


 38.5533, 47.7676,
101.7958


331.2275,
377.8702, 587.2307


 26.5916, 33.6429,
77.1759


 72.2539, 86.8583,
165.6962


 17.4017, 22.6194,
56.8848


 94.7234, 112.5930,
205.8138

 10.6184, 14.3127,
40.5040


 121.4262,
142.9666, 251.9343

 5.8762, 8.3385,
27.6150

 152.7277,
178.3633, 304.4764

 2.8099, 4.3123,
17.7991

 188.9933,
219.1677, 363.8586

 1.0541, 1.8497,
10.6379

230.5882,

 0.0000, 0.5179,

265.7640, 430.4993

5.7128

277.8778,
318.5367, 504.8172

■ 0.0000, 0.0000,
2.6053

■ 0.0000, 0.0000,
0.8952

■ 38.5533, 47.7676,
101.7958

■ 38.5533, 47.7676,
101.7958

■ 37.0926, 45.3051,
101.3975

■ 40.8453, 51.1014,
102.3185

■ 43.8779, 54.9038,
102.8926

■ 47.7578, 59.2314,
103.5234

■ 52.5726, 64.1304,
104.2153

■ 58.3982, 69.6409,
104.9719

■ 65.3027, 75.7988,
105.7966

■ 73.3477, 82.6371,
106.6925

■ 82.5903, 90.1858,
107.6624

■ 93.0835, 98.4734,
108.7090

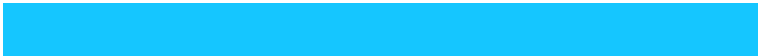
Harmonies

Analogous

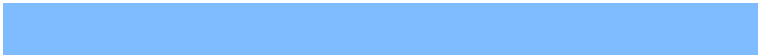
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.5287, 47.7676, 79.2991



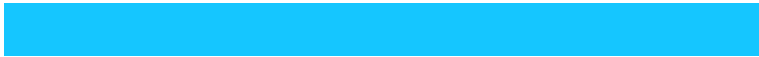
38.5533, 47.7676, 101.7958



45.9812, 47.7676, 109.9883

Triad

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



38.5533, 47.7676, 101.7958



62.6694, 47.7676, 50.3756



37.6639, 47.7676, 22.8064

Complementary

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



38.5533, 47.7676, 101.7958



44.1030, 26.7688, 3.5539

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.



44.8270, 47.7676, 19.1260



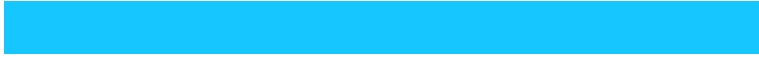
38.5533, 47.7676, 101.7958



59.7910, 47.7676, 31.8336

Square

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



38.5533, 47.7676, 101.7958



60.4870, 47.7676, 75.5673



53.0165, 47.7676, 21.8658



33.0594, 47.7676, 33.9420

Rectangle

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



38.5533, 47.7676, 101.7958



51.4806, 47.7676, 104.7464



53.0165, 47.7676, 21.8658



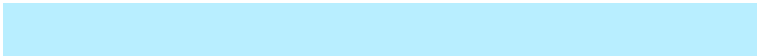
39.8211, 47.7676, 20.8342

Sweetspot

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



38.5548, 47.7692, 101.7961



68.1812, 78.2805, 106.1239



37.3619, 72.1966, 18.7368



13.8872, 16.1455, 22.6344



0.0000, 0.0000, 0.0000



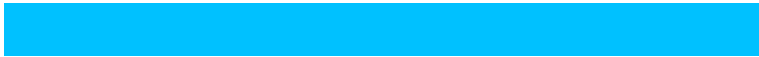
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38.5548, 47.7692, 101.7961



37.0926, 45.3051, 101.3975



21.4865, 13.6326, 96.1066



18.1579, 19.6875, 23.0930



19.5046, 23.9187, 53.0234



1.9842, 2.4992, 5.1911

Inverse Universe

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



51.7023, 25.8752, 55.6969



50.8518, 25.1047, 52.5451



60.3599, 59.2826, 8.9729



18.5924, 18.2203, 21.7366



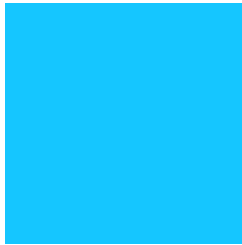
26.6332, 13.1426, 27.7826



2.6362, 1.2968, 2.9314

Previews

White Background



This preview shows how the XYZ color 38.5533, 47.7676, 101.7958 looks on a white background.

Color Contrast Check

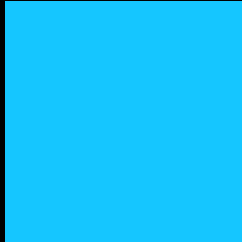
Large Text (above 18pt) WCAG AA × Fail

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 38.5533, 47.7676, 101.7958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

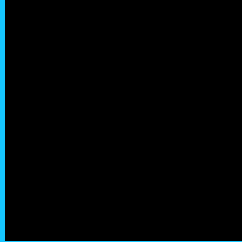
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.5533, 47.7676, 101.7958

Background



This preview shows how black text looks on a background with the XYZ color 38.5533, 47.7676, 101.7958.

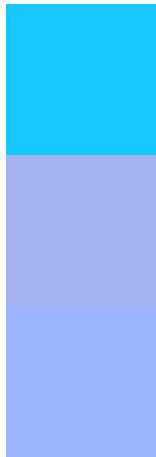


This preview shows how white text looks on a background with the XYZ color 38.5533, 47.7676,

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

38.5533, 47.7676, 101.7958

Protanopia

47.7155, 46.9927, 89.7747

Deuteranopia

48.2842, 47.3357, 101.1996



Tritanopia

34.0108, 47.7738, 73.7584

Trichromacy



Original Color

38.5533, 47.7676, 101.7958

Protanomaly

41.2149, 45.7052, 93.8385

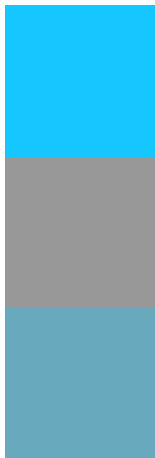
Deuteranomaly

41.8837, 45.8864, 101.2572

Tritanomaly

35.4106, 47.5944, 82.9216

Monochromacy



Original Color

38.5533, 47.7676, 101.7958

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.0822, 34.9931, 53.3657

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5533, 47.7676, 101.7958 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(21, 198, 255)` looks like.

```
.text, #text, p{  
    color:rgb(21, 198, 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(21, 198, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 198, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.5533, 47.7676, 101.7958 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(21, 198, 255) }
```


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

```
.border{ border-color:rgb(21, 198, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 198, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 198, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 198, 255);  
box-shadow:4px 4px 4px 4px rgb(21, 198,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5533, 47.7676, 101.7958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 198, 255) }
```

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

```
.background{ background-color: rgb(21, 198,  
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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