

Converting Colors

XYZ(47.0728, 51.0000,
101.9707)

Have a look what the booklet for
XYZ(47.0728, 51.0000, 101.9707)
contains.

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Color

**XYZ(47.2380, 51.2368,
102.0077)**

Conversions

Conversions Part 1

Format	Color
Hex	85C3FF
RGB	133, 195, 255
RGB Percent	52%, 76%, 100%
CMY	0.4784, 0.2353, 0.0000
CMYK	0.48, 0.24, 0.00, 0.00
HSL	210°, 100%, 76%
HSV	210°, 48%, 100%
XYZ	47.2380, 51.2368, 102.0077
YIQ	183.3020, -56.2120, 5.5160

Conversions

Conversions Part 2

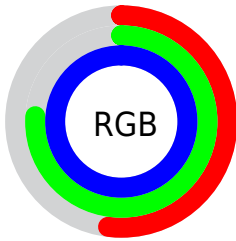
Format	Color
RYB	133, 174, 255
Decimal	8766463
CIELab	76.82, -4.04, -35.66
CIELCh	77, 35.889, 263.534
Yxy	51.2368, 0.2356, 0.2556
Android (android.graphics.Color)	4286956543 (0xFF85C3FF)
YUV	183.3020, 35.3471, -44.1149
Hunter-Lab	71.5799, -7.4666, -34.3876

Details

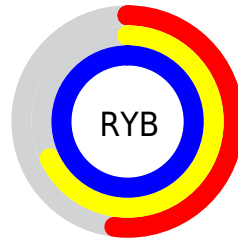
The XYZ color **47.2380, 51.2368, 102.0077** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.5445, 61.0946, 30.5829**, and the grayscale version is **45.0111, 47.3552, 51.5698**.

A 20% lighter version of the original color is **74.0330, 87.2907, 107.5546**, and **22.6901, 24.8791, 57.0323** is the 20% darker color. If you saturate the color by 10%, you get **40.9972, 44.0228, 100.9442**, and if you desaturate by 10%, it is **54.6951, 59.4302, 103.1962**.

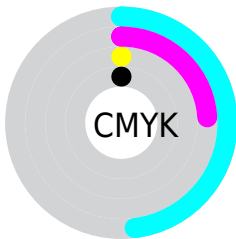
Distribution



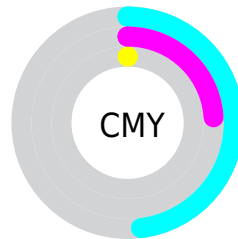
- Red (52%)
- Green (76%)
- Blue (100%)



- Red (52%)
- Yellow (68%)
- Blue (100%)



- Cyan (48%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2380, 51.2368, 102.0077 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 47.2380, 51.2368, 102.0077 by changing the saturation by 10% instead.

47.2380, 51.2368,
102.0077

47.2380, 51.2368,
102.0077

366.3968,
391.4831, 587.9121

33.4326, 36.3971,
77.3521

85.2854, 92.0047,
165.9894

22.6189, 24.7410,
57.0286

110.2580,
118.7017, 206.1525

14.4315, 15.8842,
40.6187

139.6838,
150.1199, 252.3220

8.5051, 9.4423,
27.7038

173.9280,
186.6437, 304.9162

4.4743, 5.0308,
17.8654

213.3561,
228.6576, 364.3538

1.9738, 2.2653,
10.6850

258.3333,

0.6192, 0.7553,

276.5458, 431.0533

5.7439

309.2251,
330.6929, 505.4332

■ 0.0000, 0.0000,
2.6237

■ 0.0000, 0.0000,
0.9047

■ 47.2380, 51.2368,
102.0077

■ 47.2380, 51.2368,
102.0077

■ 40.9972, 44.0228,
100.9442

■ 54.6951, 59.4302,
103.1962

■ 35.8901, 37.7341,
99.9995

■ 63.4340, 68.6420,
104.5137

■ 31.8307, 32.3183,
99.1681

■ 73.5209, 78.9154,
105.9650

■ 28.7161, 27.7132,
98.4434

■ 85.0157, 90.2889,
107.5544

■ 26.4107, 23.8392,
97.8172

95.0500, 100.0000,
108.9000

■ 25.9783, 23.0766,
97.6928

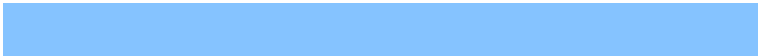
Harmonies

Analogous

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



41.3180, 51.2368, 91.7416



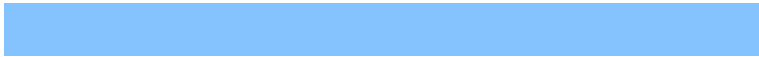
47.2380, 51.2368, 102.0077



54.1213, 51.2368, 97.7574

Triad

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



47.2380, 51.2368, 102.0077



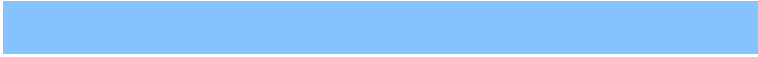
61.7291, 51.2368, 42.1042



38.9020, 51.2368, 36.3223

Complementary

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



47.2380, 51.2368, 102.0077



64.5445, 61.0946, 30.5829

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.



43.6516, 51.2368, 27.9681



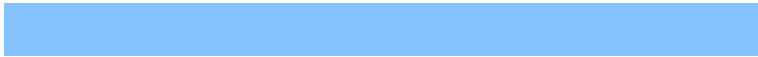
47.2380, 51.2368, 102.0077



56.9106, 51.2368, 30.7213

Square

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



47.2380, 51.2368, 102.0077



62.9156, 51.2368, 60.1227



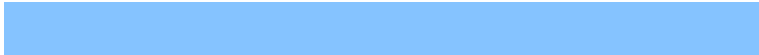
50.1899, 51.2368, 26.1880



36.8036, 51.2368, 51.6671

Rectangle

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



47.2380, 51.2368, 102.0077



58.2946, 51.2368, 87.6607



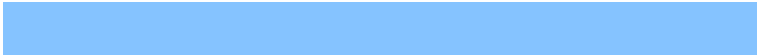
50.1899, 51.2368, 26.1880



40.2189, 51.2368, 32.7627

Sweetspot

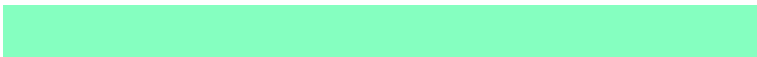
The Sweet Spot groups the original color and five complimentary colors.



47.2396, 51.2386, 102.0080



77.7663, 83.1517, 106.5589



54.9448, 80.3114, 62.4573



16.1292, 17.2842, 22.7360



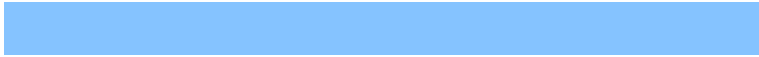
0.0000, 0.0000, 0.0000



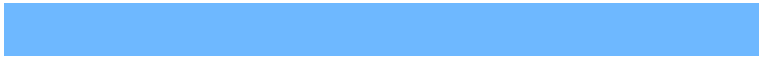
20.3446, 21.4041, 23.3091

Same Dimension

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



47.2396, 51.2386, 102.0080



41.4772, 44.5932, 101.0290



36.3932, 29.5458, 98.3925



17.7661, 18.9039, 22.9624



13.7241, 12.3577, 51.0965



1.4456, 1.4219, 5.0115

Inverse Universe

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



59.4790, 41.9769, 56.5991



55.3794, 35.7769, 49.0691



80.5888, 93.1832, 35.9310



18.3946, 18.1412, 20.6951



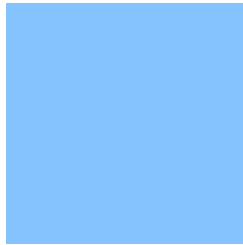
23.7155, 11.9755, 12.4181



2.3643, 1.1881, 1.4997

Previews

White Background



This preview shows how the XYZ color 47.2380, 51.2368, 102.0077 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 47.2380, 51.2368, 102.0077 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

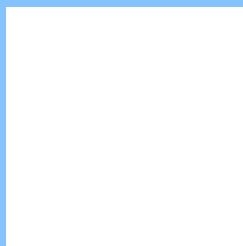
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.2380, 51.2368, 102.0077

Background



This preview shows how black text looks on a background with the XYZ color 47.2380, 51.2368, 102.0077.

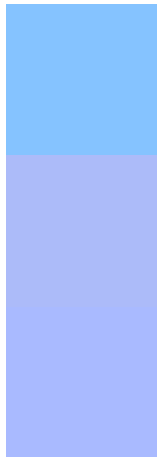


This preview shows how white text looks on a background with the XYZ color 47.2380, 51.2368,

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

47.2380, 51.2368, 102.0077

Protanopia

51.8825, 51.1509, 96.7611

Deuteranopia

51.9711, 50.7728, 101.6687



Tritanopia

41.8015, 51.4406, 74.0555

Trichromacy



Original Color

47.2380, 51.2368, 102.0077

Protanomaly

49.9266, 51.0610, 98.4911

Deuteranomaly

49.9579, 50.6831, 101.7575

Tritanomaly

43.4514, 51.0520, 83.1652

Monochromacy



Original Color

47.2380, 51.2368, 102.0077

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

44.7960, 48.1434, 67.2532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2380, 51.2368, 102.0077 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(133, 195, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 195, 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(133, 195, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 195, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.2380, 51.2368, 102.0077 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(133, 195, 255) }
```


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

```
.border{ border-color:rgb(133, 195, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 195, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 195, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 195, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 195,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2380, 51.2368, 102.0077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 195, 255) }
```

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

```
.background{ background-color: rgb(133,  
195, 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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