

Converting Colors

XYZ(50.5420, 55.3656,
117.3343)

Have a look what the booklet for
XYZ(50.5420, 55.3656, 117.3343)
contains.

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Color

**XYZ(47.7181, 54.2170,
102.5576)**

Conversions

Conversions Part 1

Format	Color
Hex	7CCBFF
RGB	124, 203, 255
RGB Percent	49%, 80%, 100%
CMY	0.5137, 0.2039, 0.0000
CMYK	0.51, 0.20, 0.00, 0.00
HSL	204°, 100%, 74%
HSV	204°, 51%, 100%
XYZ	47.7181, 54.2170, 102.5576
YIQ	185.3070, -63.7760, -0.5760

Conversions

Conversions Part 2

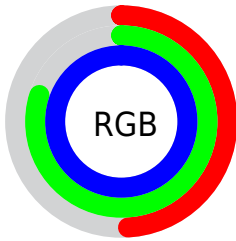
Format	Color
RYB	124, 173, 255
Decimal	8178687
CIELab	78.59, -10.32, -32.97
CIELCh	79, 34.543, 252.624
Yxy	54.2170, 0.2333, 0.2651
Android (android.graphics.Color)	4286368767 (0xFF7CCBFF)
YUV	185.3070, 34.3586, -53.7662
Hunter-Lab	73.6322, -13.1776, -31.0387

Details

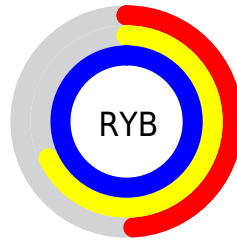
The XYZ color **47.7181, 54.2170, 102.5576** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **60.4043, 53.7671, 26.2652**, and the grayscale version is **46.1267, 48.5288, 52.8479**.

A 20% lighter version of the original color is **73.3384, 88.8073, 107.8839**, and **22.9271, 26.5962, 57.3513** is the 20% darker color. If you saturate the color by 10%, you get **42.1855, 47.9324, 101.6362**, and if you desaturate by 10%, it is **54.3627, 61.3088, 103.5763**.

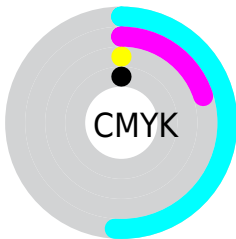
Distribution



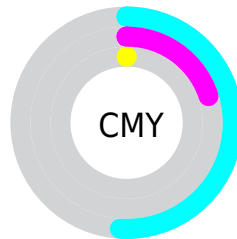
- Red (49%)
- Green (80%)
- Blue (100%)



- Red (49%)
- Yellow (68%)
- Blue (100%)



- Cyan (51%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (51%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7181, 54.2170, 102.5576 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 47.7181, 54.2170, 102.5576 by changing the saturation by 10% instead.

■ 47.7181, 54.2170,
102.5576

■ 47.7181, 54.2170,
102.5576

368.2749,
402.9370, 589.6784

■ 33.8140, 38.7752,
77.8095

■ 85.9968, 96.3928,
166.7499

■ 22.9130, 26.5849,
57.4019

■ 111.1021,
123.8955, 207.0312

■ 14.6496, 17.2617,
40.9165

■ 140.6718,
156.1874, 253.3273

■ 8.6585, 10.4213,
27.9347

175.0714,
193.6527, 306.0567

■ 4.5745, 5.6791,
18.0378

214.6661,
236.6760, 365.6379

■ 2.0320, 2.6510,
10.8074

259.8214,

■ 0.6518, 0.9524,

285.6415, 432.4896

5.8249

310.9025,
340.9337, 507.0303

■ 0.0000, 0.0000,
2.6719

■ 0.0000, 0.0000,
0.9292

■ 47.7181, 54.2170,
102.5576

■ 47.7181, 54.2170,
102.5576

■ 42.1855, 47.9324,
101.6362

■ 54.3627, 61.3088,
103.5763

■ 37.6820, 42.4045,
100.8066

■ 62.1843, 69.2422,
104.6954

■ 34.1199, 37.5847,
100.0640

■ 71.2483, 78.0562,
105.9189

■ 31.3923, 33.4133,
99.4026

■ 81.6136, 87.7852,
107.2505

■ 29.5694, 30.2588,
98.8898

■ 93.3353, 98.4616,
108.6934

■ 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.



42.4822, 54.2170, 88.2533



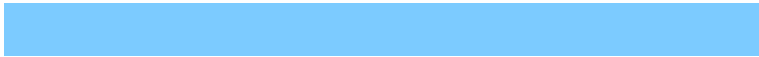
47.7181, 54.2170, 102.5576



54.4475, 54.2170, 103.7255

Triad

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



47.7181, 54.2170, 102.5576



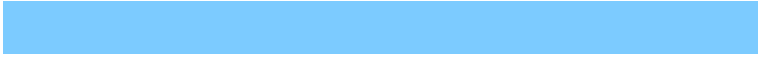
65.3989, 54.2170, 51.2086



43.1610, 54.2170, 35.5096

Complementary

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



47.7181, 54.2170, 102.5576



60.4043, 53.7671, 26.2652

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.



48.7218, 54.2170, 29.4727



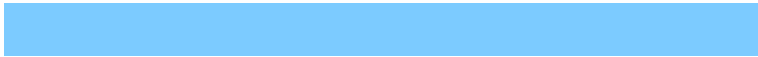
47.7181, 54.2170, 102.5576



61.7827, 54.2170, 37.1001

Square

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



47.7181, 54.2170, 102.5576



65.0700, 54.2170, 70.9594



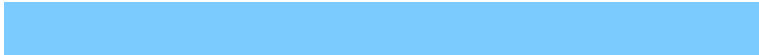
55.5431, 54.2170, 29.9823



40.0148, 54.2170, 48.5241

Rectangle

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



47.7181, 54.2170, 102.5576



58.9205, 54.2170, 96.5980



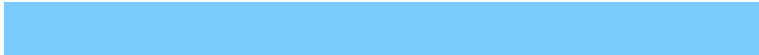
55.5431, 54.2170, 29.9823



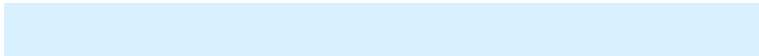
44.7878, 54.2170, 32.7405

Sweetspot

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



47.7197, 54.2189, 102.5579



77.6973, 84.1459, 106.7545



51.7345, 78.8701, 52.6539



16.1609, 17.5704, 22.7896



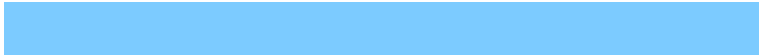
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



47.7197, 54.2189, 102.5579



41.8723, 47.5623, 101.5813



35.6375, 30.0544, 98.5305



17.9144, 19.2004, 23.0118



15.6006, 16.1107, 51.7220



1.6257, 1.7822, 5.0716

Inverse Universe

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



59.2283, 39.9887, 61.0989



55.0469, 33.6075, 53.5966



75.9554, 84.8693, 31.4489



18.4694, 18.1711, 21.0892



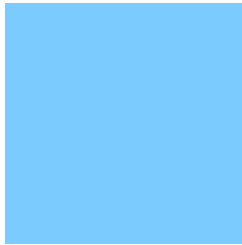
24.6626, 12.3543, 17.4058



2.4552, 1.2245, 1.9785

Previews

White Background



This preview shows how the XYZ color 47.7181, 54.2170, 102.5576 looks on a white background.

Color Contrast Check

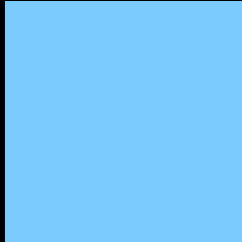
Large Text (above 18pt) WCAG AA × Fail

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 47.7181, 54.2170, 102.5576 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

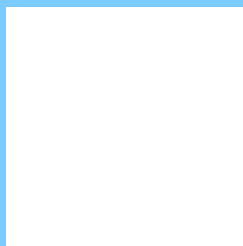
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.7181, 54.2170, 102.5576

Background



This preview shows how black text looks on a background with the XYZ color 47.7181, 54.2170, 102.5576.

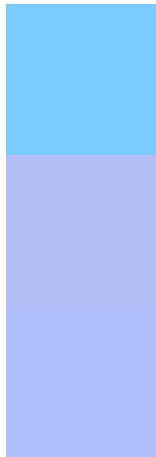


This preview shows how white text looks on a background with the XYZ color 47.7181, 54.2170,

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

47.7181, 54.2170, 102.5576

Protanopia

54.2417, 53.6803, 95.4982

Deuteranopia

55.0409, 53.9466, 102.1195



Tritanopia

43.0859, 54.1254, 79.4105

Trichromacy



Original Color

47.7181, 54.2170, 102.5576

Protanomaly

51.2676, 53.4059, 98.0488

Deuteranomaly

51.6657, 53.5193, 102.2149

Tritanomaly

44.6828, 54.0503, 87.4346

Monochromacy



Original Color

47.7181, 54.2170, 102.5576

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.5868, 50.1389, 68.2479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7181, 54.2170, 102.5576 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(124, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(124, 203, 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(124, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 203, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.7181, 54.2170, 102.5576 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(124, 203, 255) }
```


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

```
.border{ border-color:rgb(124, 203, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(124, 203,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7181, 54.2170, 102.5576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 203, 255) }
```

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

```
.background{ background-color: rgb(124,  
203, 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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