

# Converting Colors

XYZ(47.4797, 55.0961,  
102.7399)

Have a look what the booklet for  
XYZ(47.4797, 55.0961, 102.7399)  
contains.

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# **Color**

**XYZ(47.4574, 55.1445,  
102.7504)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75CEFF
RGB	117, 206, 255
RGB Percent	46%, 81%, 100%
CMY	0.5412, 0.1921, 0.0000
CMYK	0.54, 0.19, 0.00, 0.00
HSL	201°, 100%, 73%
HSV	201°, 54%, 100%
XYZ	47.4574, 55.1445, 102.7504
YIQ	184.9750, -68.7730, -3.6290

# Conversions

## Conversions Part 2

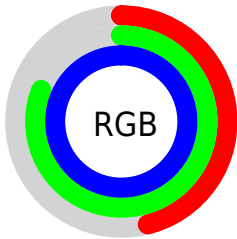
Format	Color
R <sub>Y</sub> B	117, 171, 255
Decimal	7720703
CIE Lab	79.12, -13.35, -32.16
CIE LCh	79, 34.826, 247.455
Yxy	55.1445, 0.2311, 0.2685
Android (android.graphics.Color)	4285910783 (0xFF75CEFF)
YUV	184.9750, 34.5223, -59.6141
Hunter-Lab	74.2593, -15.8787, -30.0562

# Details

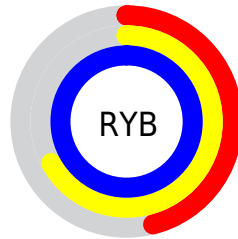
The XYZ color **47.4574, 55.1445, 102.7504** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **58.0881, 49.8182, 23.3859**, and the grayscale version is **45.9434, 48.3360, 52.6379**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **22.7865, 27.2375, 57.4825** is the 20% darker color. If you saturate the color by 10%, you get **42.3691, 49.3793, 101.9058**, and if you desaturate by 10%, it is **53.6075, 61.6457, 103.6811**.

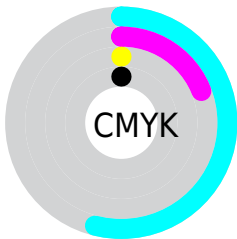
# Distribution



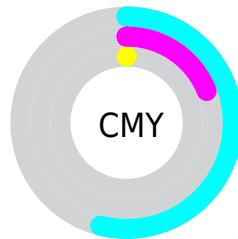
- Red (46%)
- Green (81%)
- Blue (100%)



- Red (46%)
- Yellow (67%)
- Blue (100%)



- Cyan (54%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (54%)
- Magenta (19%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4574, 55.1445, 102.7504 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 47.4574, 55.1445, 102.7504 by changing the saturation by 10% instead.



47.4574, 55.1445,  
102.7504

47.4574, 55.1445,  
102.7504

367.2558,  
406.4594, 590.2970

33.6069, 39.5174,  
77.9698

85.6106, 97.7526,  
167.0165

22.7532, 27.1625,  
57.5329

110.6439,  
125.5025, 207.3391

14.5311, 17.6953,  
41.0210

140.1355,  
158.0621, 253.6795

8.5751, 10.7314,  
28.0157

174.4509,  
195.8157, 306.4562

4.5200, 5.8866,  
18.0983

213.9552,  
239.1479, 366.0878

2.0003, 2.7762,  
10.8504

259.0139,

0.6341, 1.0160,

288.4430, 432.9927

5.8535

309.9923,  
344.0854, 507.5896

■ 0.0000, 0.0000,  
2.6888

■ 0.0000, 0.0000,  
0.9378

■ 47.4574, 55.1445,  
102.7504

■ 47.4574, 55.1445,  
102.7504

■ 42.3691, 49.3793,  
101.9058

■ 53.6075, 61.6457,  
103.6811

■ 38.2579, 44.2999,  
101.1421

■ 60.8855, 68.9168,  
104.7010

■ 35.0330, 39.8576,  
100.4546

■ 69.3575, 76.9958,  
105.8139

■ 32.5818, 35.9910,  
99.8375

■ 79.0830, 85.9163,  
107.0231

■ 31.4076, 33.9351,  
99.5025

■ 90.1171, 95.7096,  
108.3319

95.0500, 100.0000,  
108.9000

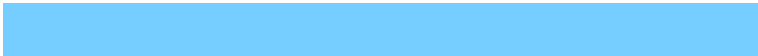
# Harmonies

## Analogous

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



42.5098, 55.1445, 86.4369



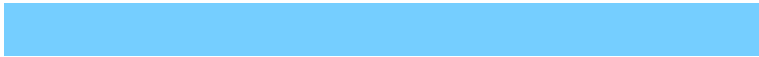
47.4574, 55.1445, 102.7504



54.1651, 55.1445, 106.5151

# Triad

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



47.4574, 55.1445, 102.7504



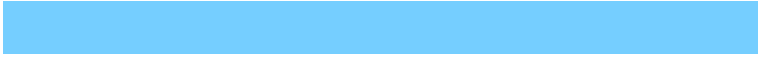
66.8026, 55.1445, 55.2159



44.7035, 55.1445, 34.5099

# Complementary

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



47.4574, 55.1445, 102.7504



58.0881, 49.8182, 23.3859

# 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.



50.6994, 55.1445, 29.5417



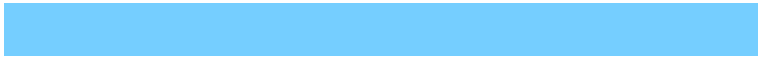
47.4574, 55.1445, 102.7504



63.7463, 55.1445, 39.6566

# Square

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



47.4574, 55.1445, 102.7504



65.7411, 55.1445, 75.9348



57.7025, 55.1445, 31.1918

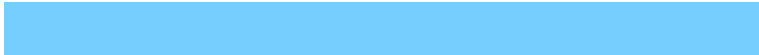


41.0206, 55.1445, 46.5392



# Rectangle

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



47.4574, 55.1445, 102.7504



58.8150, 55.1445, 100.7821



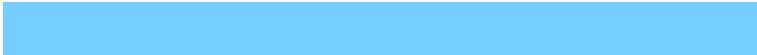
57.7025, 55.1445, 31.1918



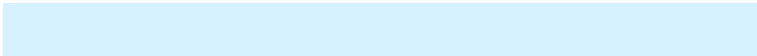
46.4936, 55.1445, 32.0952

# Sweetspot

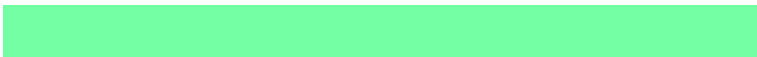
The Sweet Spot groups the original color and five complimentary colors.



47.4590, 55.1465, 102.7507



77.1514, 84.1691, 106.7877



49.9163, 78.0301, 48.1731



16.0733, 17.6147, 22.8028



0.0000, 0.0000, 0.0000

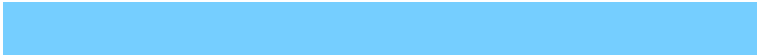


20.3446, 21.4041, 23.3091



# Same Dimension

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



47.4590, 55.1465, 102.7507



41.9671, 48.9027, 101.8350



34.4333, 29.0949, 98.4088



17.9804, 19.3325, 23.0338



16.5572, 18.0239, 52.0409



1.7152, 1.9611, 5.1014



# Inverse Universe

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



58.7430, 38.4405, 62.7181



54.8138, 32.4387, 55.6850



73.9599, 81.5617, 28.6765



18.5028, 18.1844, 21.2647



25.1455, 12.5475, 19.9484

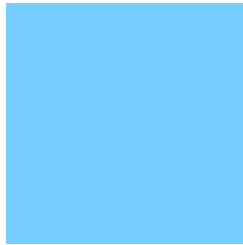


2.5004, 1.2425, 2.2164



# Previews

## White Background



This preview shows how the XYZ color 47.4574, 55.1445, 102.7504 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

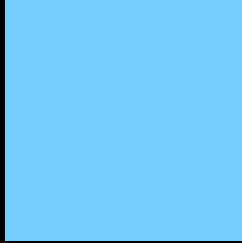
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.4574, 55.1445, 102.7504 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

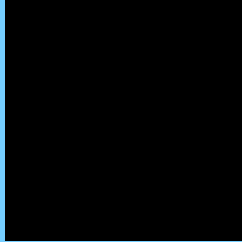
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

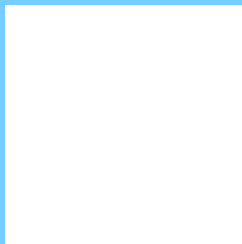
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 47.4574, 55.1445, 102.7504

## Background



This preview shows how black text looks on a background with the XYZ color 47.4574, 55.1445, 102.7504.



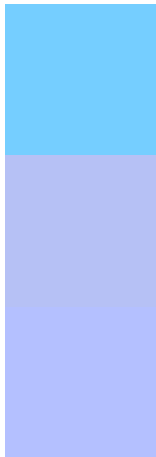
This preview shows how white text looks on a background with the XYZ color 47.4574, 55.1445,



# 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

47.4574, 55.1445, 102.7504

### Protanopia

54.8428, 54.6776, 94.0495

### Deuteranopia

55.7220, 54.6226, 102.2141



## **Tritanopia**

43.3613, 55.3158, 81.7904

# Trichromacy



## Original Color

47.4574, 55.1445, 102.7504

## Protanomaly

51.3935, 54.4968, 97.4327

## Deuteranomaly

51.9209, 54.3206, 102.3561

## Tritanomaly

44.7886, 55.1535, 89.1740

# Monochromacy



## Original Color

47.4574, 55.1445, 102.7504

## Achromatopsia

46.1135, 48.5150, 52.8328

## Achromatomaly

45.2000, 50.2667, 68.2929

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.4574, 55.1445, 102.7504 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(117, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(117, 206, 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(117, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 206, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 47.4574, 55.1445, 102.7504 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(117, 206, 255) }
```



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

```
.border{ border-color:rgb(117, 206, 255) }
```

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

Here you see how a box with a 4 pixel rgb(117, 206, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(117, 206,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.4574, 55.1445, 102.7504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 206, 255) }
```

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

```
.background{ background-color: rgb(117,  
206, 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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