

# Converting Colors

XYZ(47.4799, 53.0870,  
102.3517)

Have a look what the booklet for  
XYZ(47.4799, 53.0870, 102.3517)  
contains.

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# Color

**XYZ(47.4567, 53.0406,  
102.3444)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FC8FF
RGB	127, 200, 255
RGB Percent	50%, 78%, 100%
CMY	0.5019, 0.2157, 0.0000
CMYK	0.50, 0.22, 0.00, 0.00
HSL	206°, 100%, 75%
HSV	206°, 50%, 100%
XYZ	47.4567, 53.0406, 102.3444
YIQ	184.4430, -61.1630, 1.6290

# Conversions

## Conversions Part 2

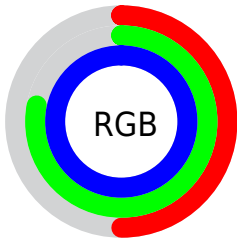
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	127, 173, 255
Decimal	8374527
CIE <sub>Lab</sub>	77.90, -8.07, -34.02
CIE <sub>LCh</sub>	78, 34.964, 256.651
Yxy	53.0406, 0.2340, 0.2615
Android (android.graphics.Color)	4286564607 (0xFF7FC8FF)
YUV	184.4430, 34.7846, -50.3775
Hunter-Lab	72.8290, -11.1368, -32.3382

# Details

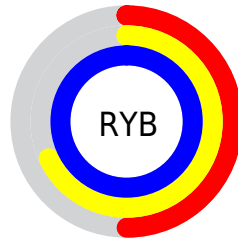
The XYZ color **47.4567, 53.0406, 102.3444** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.7997, 56.2496, 27.6808**, and the grayscale version is **45.6443, 48.0213, 52.2952**.

A 20% lighter version of the original color is **74.0597, 89.1791, 107.9177**, and **22.7187, 25.7932, 57.2073** is the 20% darker color. If you saturate the color by 10%, you get **41.6812, 46.4311, 101.3730**, and if you desaturate by 10%, it is **54.3782, 60.5130, 103.4219**.

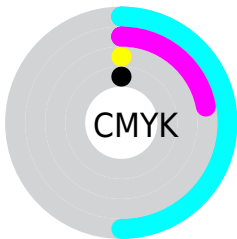
# Distribution



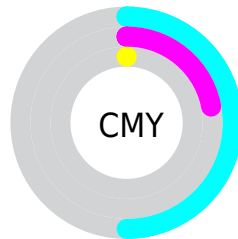
- Red (50%)
- Green (78%)
- Blue (100%)



- Red (50%)
- Yellow (68%)
- Blue (100%)



- Cyan (50%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (22%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4567, 53.0406, 102.3444 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 47.4567, 53.0406, 102.3444 by changing the saturation by 10% instead.



47.4567, 53.0406,  
102.3444

47.4567, 53.0406,  
102.3444

367.2531,  
398.4409, 588.9939

33.6063, 37.8352,  
77.6321

85.6095, 94.6641,  
166.4551

22.7528, 25.8548,  
57.2572

110.6427,  
121.8510, 206.6906

14.5307, 16.7150,  
40.8010

140.1341,  
153.8005, 252.9376

8.5749, 10.0315,  
27.8451

174.4492,  
190.8970, 305.6147

4.5198, 5.4199,  
17.9709

213.9533,  
233.5249, 365.1403

2.0002, 2.4957,  
10.7599

259.0117,

0.6341, 0.8745,

282.0685, 431.9330

5.7935

309.9899,  
336.9124, 506.4114

■ 0.0000, 0.0000,  
2.6532

■ 0.0000, 0.0000,  
0.9197

■ 47.4567, 53.0406,  
102.3444

■ 47.4567, 53.0406,  
102.3444

■ 41.6812, 46.4311,  
101.3730

■ 54.3782, 60.5130,  
103.4219

■ 36.9691, 40.6331,  
100.5022

■ 62.5107, 68.8841,  
104.6090

■ 33.2335, 35.5970,  
99.7271

■ 71.9199, 78.1941,  
105.9101

■ 30.3690, 31.2626,  
99.0414

■ 82.6648, 88.4786,  
107.3289

■ 28.2413, 27.6027,  
98.4471

94.8008, 99.7711,  
108.8689

95.0500, 100.0000,  
108.9000

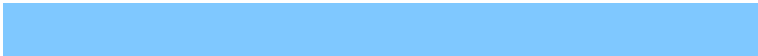
# Harmonies

## Analogous

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



41.9664, 53.0406, 89.4582



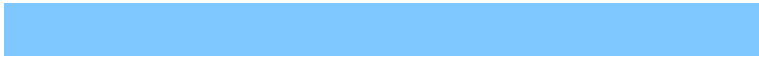
47.4567, 53.0406, 102.3444



54.2505, 53.0406, 101.5296

# Triad

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



47.4567, 53.0406, 102.3444



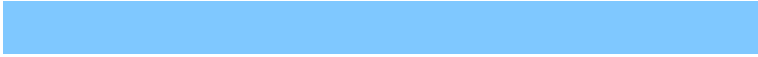
63.9953, 53.0406, 47.6806



41.4972, 53.0406, 35.6868

# Complementary

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



47.4567, 53.0406, 102.3444



61.7997, 56.2496, 27.6808

# 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.



46.7618, 53.0406, 28.8096



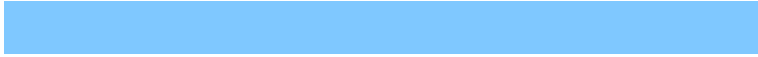
47.4567, 53.0406, 102.3444



59.9243, 53.0406, 34.5924

# Square

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



47.4567, 53.0406, 102.3444



64.2239, 53.0406, 66.8294



53.4906, 53.0406, 28.4601

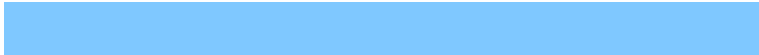


38.7400, 53.0406, 49.5366



# Rectangle

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



47.4567, 53.0406, 102.3444



58.6216, 53.0406, 93.2736



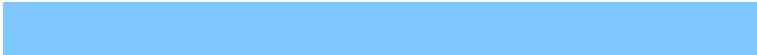
53.4906, 53.0406, 28.4601



43.0098, 53.0406, 32.6336

# Sweetspot

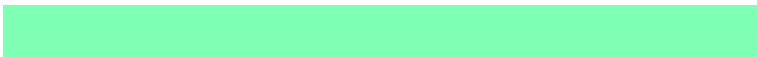
The Sweet Spot groups the original color and five complimentary colors.



47.4583, 53.0425, 102.3446



77.3302, 83.4118, 106.6321



52.7859, 79.3415, 55.8925



16.0724, 17.3934, 22.7601



0.0000, 0.0000, 0.0000

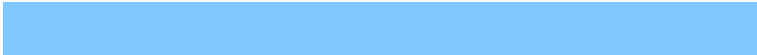


20.3446, 21.4041, 23.3091



# Same Dimension

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



47.4583, 53.0425, 102.3446



41.7827, 46.5513, 101.3908



35.8448, 29.8155, 98.4735



17.8630, 19.0976, 22.9947



14.9079, 14.7255, 51.4912



1.5601, 1.6508, 5.0497



# Inverse Universe

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



59.2558, 40.6106, 59.3610



55.2048, 34.4481, 52.0309



77.5224, 87.6949, 32.9217



18.4435, 18.1607, 20.9526



24.3130, 12.2145, 15.5648

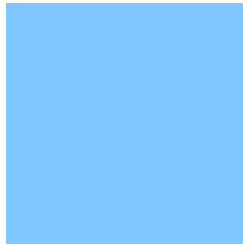


2.4221, 1.2112, 1.8040



# Previews

## White Background



This preview shows how the XYZ color 47.4567, 53.0406, 102.3444 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

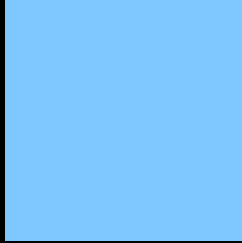
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.4567, 53.0406, 102.3444 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

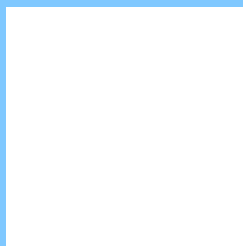
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 47.4567, 53.0406, 102.3444

## Background



This preview shows how black text looks on a background with the XYZ color 47.4567, 53.0406, 102.3444.



This preview shows how white text looks on a background with the XYZ color 47.4567, 53.0406,



# 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

47.4567, 53.0406, 102.3444

### Protanopia

53.3334, 52.8894, 95.3934

### Deuteranopia

53.7032, 52.6139, 101.9328



## Tritanopia

42.4586, 53.1295, 77.1245

# Trichromacy



**Original Color**

47.4567, 53.0406, 102.3444

**Protanomaly**

50.8452, 52.8566, 97.9650

**Deuteranomaly**

51.0246, 52.5280, 102.0574

**Tritanomaly**

44.1899, 53.1193, 85.7659

# Monochromacy



**Original Color**

47.4567, 53.0406, 102.3444

**Achromatopsia**

45.5594, 47.9320, 52.1980

**Achromatomaly**

45.1506, 49.2666, 68.1025

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.4567, 53.0406, 102.3444 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(127, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 200, 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(127, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 200, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 47.4567, 53.0406, 102.3444 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(127, 200, 255) }
```



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

```
.border{ border-color:rgb(127, 200, 255) }
```

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

Here you see how a box with a 4 pixel rgb(127, 200, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 200,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.4567, 53.0406, 102.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 200, 255) }
```

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

```
.background{ background-color: rgb(127,  
200, 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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