

# Converting Colors

XYZ(51.6088, 63.3490,  
123.0598)

Have a look what the booklet for  
XYZ(51.6088, 63.3490, 123.0598)  
contains.

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# **Color**

**XYZ(47.9174, 61.7892,  
104.0087)**

# Conversions

## Conversions Part 1

Format	Color
Hex	52DFFF
RGB	82, 223, 255
RGB Percent	32%, 87%, 100%
CMY	0.6784, 0.1255, 0.0000
CMYK	0.68, 0.13, 0.00, 0.00
HSL	191°, 100%, 66%
HSV	191°, 68%, 100%
XYZ	47.9174, 61.7892, 104.0087
YIQ	184.4890, -94.3080, -19.9400

# Conversions

## Conversions Part 2

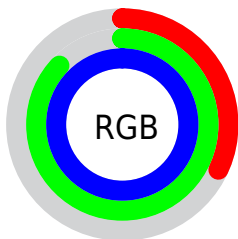
<b>Format</b>	<b>Color</b>
<b>RYB</b>	82, 160, 255
Decimal	5431295
CIELab	82.80, -27.92, -26.62
CIELCh	83, 38.581, 223.634
Yxy	61.7892, 0.2242, 0.2891
Android (android.graphics.Color)	4283621375 (0xFF52DFFF)
YUV	184.4890, 34.7619, -89.8829
Hunter-Lab	78.6061, -28.7491, -23.4261

# Details

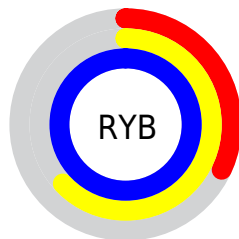
The XYZ color **47.9174, 61.7892, 104.0087** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **48.7817, 33.9059, 11.9583**, and the grayscale version is **45.6839, 48.0630, 52.3406**.

A 20% lighter version of the original color is **66.3877, 85.2240, 107.5586**, and **24.1957, 32.0825, 58.3434** is the 20% darker color. If you saturate the color by 10%, you get **44.8554, 58.3671, 103.5096**, and if you desaturate by 10%, it is **51.8414, 65.7103, 104.5588**.

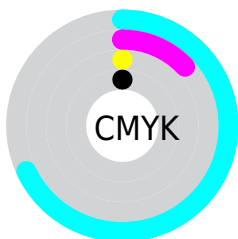
# Distribution



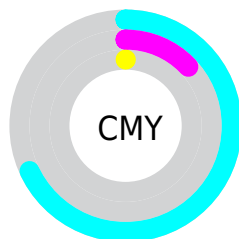
- Red (32%)
- Green (87%)
- Blue (100%)



- Red (32%)
- Yellow (63%)
- Blue (100%)



- Cyan (68%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (68%)
- Magenta (13%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9174, 61.7892, 104.0087 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 47.9174, 61.7892, 104.0087 by changing the saturation by 10% instead.



47.9174, 61.7892,  
104.0087

47.9174, 61.7892,  
104.0087

369.0527,  
431.1617, 594.3260

33.9725, 44.8624,  
79.0171

86.2918, 107.4208,  
168.7550

23.0352, 31.3490,  
58.3885

111.4521,  
136.8944, 209.3467

14.7404, 20.8648,  
41.7043

141.0814,  
171.3190, 255.9756

8.7225, 13.0252,  
28.5460

175.5453,  
211.0791, 309.0602

4.6163, 7.4459,  
18.4950

215.2090,  
256.5590, 369.0190

2.0563, 3.7425,  
11.1328

260.4378,

0.6653, 1.5306,

308.1432, 436.2705

6.0410

311.5973,  
366.2159, 511.2333

■ 0.0000, 0.3101,  
2.8008

■ 0.0000, 0.0000,  
0.9938

■ 47.9174, 61.7892,  
104.0087

■ 47.9174, 61.7892,  
104.0087

■ 44.8554, 58.3671,  
103.5096

■ 51.8414, 65.7103,  
104.5588

■ 42.5533, 55.3872,  
103.0557

■ 56.7043, 70.1667,  
105.1626

■ 40.8835, 52.7845,  
102.6414

■ 62.5799, 75.1981,  
105.8241

■ 40.5654, 52.2508,  
102.5551

■ 69.5332, 80.8384,  
106.5463

■ 77.6238, 87.1187,  
107.3321

■ 86.9066, 94.0678,  
108.1842

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.



44.5427, 61.7892, 78.6389



47.9174, 61.7892, 104.0087



54.3452, 61.7892, 121.3600

# Triad

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



47.9174, 61.7892, 104.0087



75.4133, 61.7892, 80.9978



55.0461, 61.7892, 31.9141

# Complementary

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



47.9174, 61.7892, 104.0087



48.7817, 33.9059, 11.9583

# 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.



63.3420, 61.7892, 32.2584



47.9174, 61.7892, 104.0087



75.6462, 61.7892, 57.0675

# Square

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



47.9174, 61.7892, 104.0087



70.4459, 61.7892, 106.0825



71.0551, 61.7892, 40.4070



48.3887, 61.7892, 39.3200

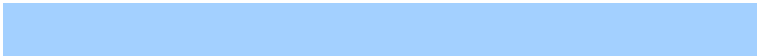


# Rectangle

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



47.9174, 61.7892, 104.0087



59.7463, 61.7892, 123.9871



71.0551, 61.7892, 40.4070



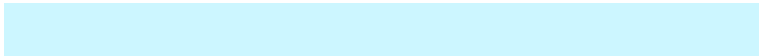
57.7228, 61.7892, 31.1921

# Sweetspot

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



47.9192, 61.7914, 104.0091



75.7760, 85.7057, 107.1568



42.2624, 74.5230, 27.9949



15.7225, 17.9611, 22.8881



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

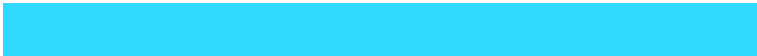


# Same Dimension

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



47.9192, 61.7914, 104.0091



44.0504, 57.3797, 103.3614



30.4467, 26.8463, 98.1849



18.2524, 19.8764, 23.1245



21.2991, 27.5077, 53.6215



2.1445, 2.8196, 5.2445



# Inverse Universe

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



57.5779, 32.6242, 73.0767



54.8132, 28.4100, 68.1009



63.4688, 63.2800, 16.8540



18.6401, 18.2393, 21.9876



27.5390, 13.5049, 32.5524

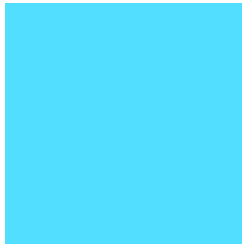


2.7170, 1.3292, 3.3573



# Previews

## White Background



This preview shows how the XYZ color 47.9174, 61.7892, 104.0087 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

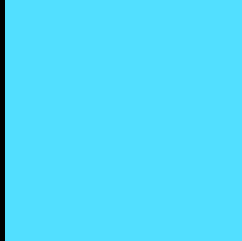
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.9174, 61.7892, 104.0087 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

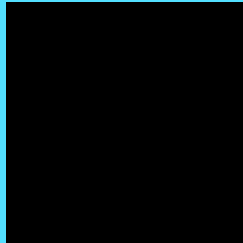
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.9174, 61.7892, 104.0087**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.9174, 61.7892, 104.0087.



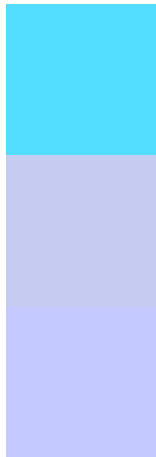
This preview shows how white text looks on a background with the XYZ color 47.9174, 61.7892,



# 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

47.9174, 61.7892, 104.0087

### Protanopia

60.2591, 60.9331, 91.8044

### Deuteranopia

61.7016, 60.7291, 103.0776



## Tritanopia

46.0045, 61.8173, 94.3013

# Trichromacy



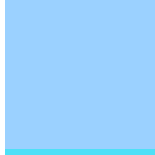
## Original Color

47.9174, 61.7892, 104.0087



## Protanomaly

53.1987, 59.7156, 95.9112



## Deuteranomaly

54.3680, 59.7895, 103.2828



## Tritanomaly

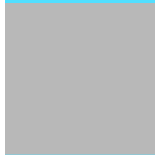
46.5860, 61.6464, 97.4393

# Monochromacy



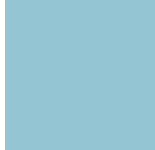
## Original Color

47.9174, 61.7892, 104.0087



## Achromatopsia

45.5594, 47.9320, 52.1980



## Achromatomaly

43.8596, 51.2444, 68.5523

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.9174, 61.7892, 104.0087 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(82, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(82, 223, 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(82, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 223, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 47.9174, 61.7892, 104.0087 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(82, 223, 255) }
```



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

```
.border{ border-color:rgb(82, 223, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(82, 223,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.9174, 61.7892, 104.0087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 223, 255) }
```

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

```
.background{ background-color: rgb(82, 223,  
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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