

# Converting Colors

XYZ(70.2274, 70.8101,  
224.1529)

Have a look what the booklet for  
XYZ(70.2274, 70.8101, 224.1529)  
contains.

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# Color

**XYZ(47.3393, 61.4912,  
103.9817)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4BDFFF
RGB	75, 223, 255
RGB Percent	29%, 87%, 100%
CMY	0.7058, 0.1255, 0.0000
CMYK	0.71, 0.13, 0.00, 0.00
HSL	191°, 100%, 65%
HSV	191°, 71%, 100%
XYZ	47.3393, 61.4912, 103.9817
YIQ	182.3960, -98.4800, -21.4240

# Conversions

## Conversions Part 2

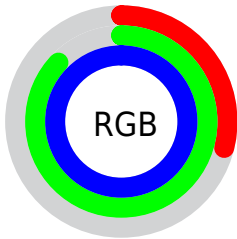
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	75, 156, 255
Decimal	4972543
CIE Lab	82.64, -28.84, -26.88
CIE LCh	83, 39.428, 222.981
Yxy	61.4912, 0.2224, 0.2889
Android (android.graphics.Color)	4283162623 (0xFF4BDFFF)
YUV	182.3960, 35.7938, -94.1863
Hunter-Lab	78.4163, -29.4696, -23.7284

# Details

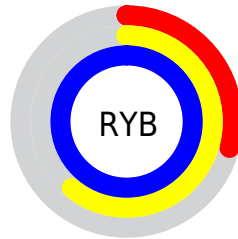
The XYZ color **47.3393, 61.4912, 103.9817** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **47.7690, 32.2853, 10.3727**, and the grayscale version is **44.5311, 46.8502, 51.0198**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **24.0118, 31.7147, 58.2821** is the 20% darker color. If you saturate the color by 10%, you get **44.5349, 58.2727, 103.5083**, and if you desaturate by 10%, it is **50.9783, 65.1906, 104.5039**.

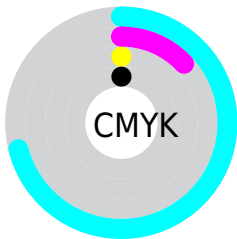
# Distribution



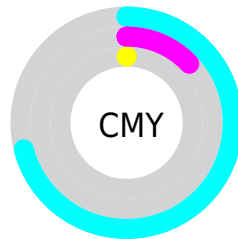
- Red (29%)
- Green (87%)
- Blue (100%)



- Red (29%)
- Yellow (61%)
- Blue (100%)



- Cyan (71%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (13%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3393, 61.4912, 103.9817 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 47.3393, 61.4912, 103.9817 by changing the saturation by 10% instead.





 47.3393, 61.4912,  
103.9817


 47.3393, 61.4912,  
103.9817

366.7936,  
430.0727, 594.2397

 33.5130, 44.6217,  
78.9946


 85.4355, 106.9898,  
168.7177


 22.6809, 31.1596,  
58.3701

 110.4362,  
136.3878, 209.3037

 14.4774, 20.7204,  
41.6896


 139.8924,  
170.7306, 255.9264

 8.5374, 12.9198,  
28.5346

 174.1695,  
210.4028, 309.0044

 4.4954, 7.3733,  
18.4865

213.6328,  
255.7887, 368.9562

 1.9860, 3.6966,  
11.1268

258.6477,

 0.6261, 1.5054,

307.2727, 436.2003

6.0369

309.5795,  
365.2393, 511.1553

■ 0.0000, 0.2925,  
2.7984

■ 0.0000, 0.0000,  
0.9926

■ 47.3393, 61.4912,  
103.9817

■ 47.3393, 61.4912,  
103.9817

■ 44.5349, 58.2727,  
103.5083

■ 50.9783, 65.1906,  
104.5039

■ 42.4575, 55.4755,  
103.0778

■ 55.5321, 69.4089,  
105.0781

■ 41.0148, 53.1495,  
102.7049

■ 61.0769, 74.1869,  
105.7082

■ 67.6796, 79.5595,  
106.3972

■ 75.4009, 85.5584,  
107.1481

■ 84.2970, 92.2128,  
107.9637

94.4201, 99.5501,  
108.8464

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.



43.9903, 61.4912, 77.9676



47.3393, 61.4912, 103.9817



53.8147, 61.4912, 122.0796

# Triad

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



47.3393, 61.4912, 103.9817



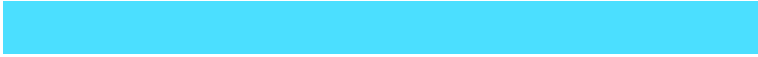
75.4122, 61.4912, 81.5282



54.8688, 61.4912, 31.0567

# Complementary

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



47.3393, 61.4912, 103.9817



47.7690, 32.2853, 10.3727

# 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.



63.3348, 61.4912, 31.5683



47.3393, 61.4912, 103.9817



75.7641, 61.4912, 57.0287

# Square

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



47.3393, 61.4912, 103.9817



70.2460, 61.4912, 107.1241



71.1657, 61.4912, 39.9604



48.0467, 61.4912, 38.3383

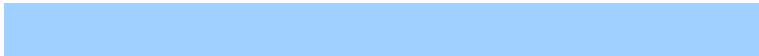


# Rectangle

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



47.3393, 61.4912, 103.9817



59.2952, 61.4912, 125.0528



71.1657, 61.4912, 39.9604



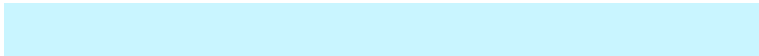
57.6040, 61.4912, 30.3863

# Sweetspot

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



47.3411, 61.4933, 103.9820



75.0565, 85.2958, 107.1156



41.2128, 74.0364, 25.4855



15.5871, 17.8901, 22.8816



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

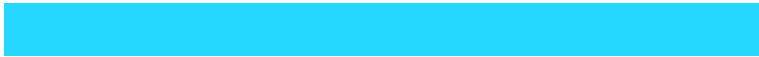


# Same Dimension

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



47.3411, 61.4933, 103.9820



43.5345, 56.9887, 103.3132



29.6176, 26.0464, 98.0742



18.2640, 19.8997, 23.1284



21.5310, 27.9716, 53.6988



2.1650, 2.8607, 5.2513



# Inverse Universe

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



57.0766, 31.6216, 72.9096



54.3964, 27.6444, 67.7523



62.0264, 60.8001, 15.1251



18.6459, 18.2417, 22.0186



27.6561, 13.5517, 33.1689

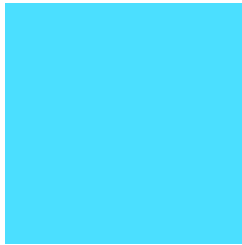


2.7274, 1.3333, 3.4119



# Previews

## White Background



This preview shows how the XYZ color 47.3393, 61.4912, 103.9817 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

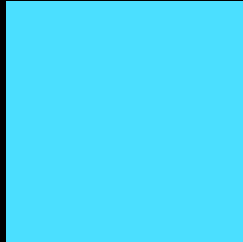
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.3393, 61.4912, 103.9817 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 47.3393, 61.4912, 103.9817

## Background



This preview shows how black text looks on a background with the XYZ color 47.3393, 61.4912, 103.9817.



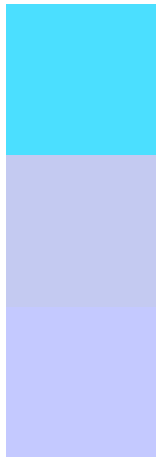
This preview shows how white text looks on a background with the XYZ color 47.3393, 61.4912,



# 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

47.3393, 61.4912, 103.9817

### Protanopia

59.7627, 60.3277, 91.7137

### Deuteranopia

61.7016, 60.7291, 103.0776



## Tritanopia

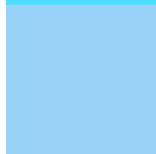
45.4176, 61.5148, 94.2738

# Trichromacy



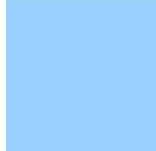
## Original Color

47.3393, 61.4912, 103.9817



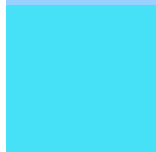
## Protanomaly

52.6300, 59.4224, 95.8846



## Deuteranomaly

53.7994, 59.4963, 103.2562



## Tritanomaly

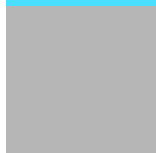
45.9699, 61.3288, 97.4105

# Monochromacy



## Original Color

47.3393, 61.4912, 103.9817



## Achromatopsia

44.4628, 46.7784, 50.9417



## Achromatomaly

42.8026, 50.3756, 67.7891

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.3393, 61.4912, 103.9817 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(75, 223, 255)` looks like.

```
.text, #text, p{  
    color:rgb(75, 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(75, 223, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 223, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 47.3393, 61.4912, 103.9817 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(75, 223, 255) }
```



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

```
.border{ border-color:rgb(75, 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(75, 223, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 223, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 223, 255);  
box-shadow:4px 4px 4px 4px rgb(75, 223,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.3393, 61.4912, 103.9817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 223, 255) }
```

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

```
.background{ background-color: rgb(75, 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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