

# Converting Colors

XYZ(53.7372, 74.1108,  
106.0803)

Have a look what the booklet for  
XYZ(53.7372, 74.1108, 106.0803)  
contains.

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# Color

**XYZ(53.7630, 74.1026,  
106.0774)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DF5FF
RGB	77, 245, 255
RGB Percent	30%, 96%, 100%
CMY	0.6980, 0.0392, 0.0000
CMYK	0.70, 0.04, 0.00, 0.00
HSL	183°, 100%, 65%
HSV	183°, 70%, 100%
XYZ	53.7630, 74.1026, 106.0774
YIQ	195.9080, -103.3380, -32.5060

# Conversions

## Conversions Part 2

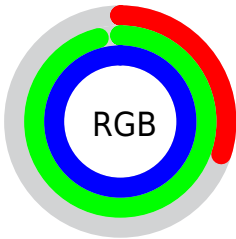
Format	Color
<b>RYB</b>	77, 163, 255
Decimal	5109247
CIELab	88.97, -38.95, -17.28
CIELCh	89, 42.614, 203.927
Yxy	74.1026, 0.2298, 0.3168
Android (android.graphics.Color)	4283299327 (0xFF4DF5FF)
YUV	195.9080, 29.1324, -104.2823
Hunter-Lab	86.0829, -39.1630, -12.8033

# Details

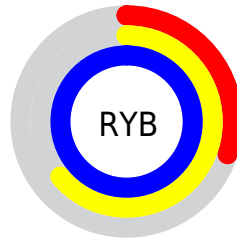
The XYZ color **53.7630, 74.1026, 106.0774** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **45.9888, 28.6137, 10.1225**, and the grayscale version is **52.2924, 55.0157, 59.9120**.

A 20% lighter version of the original color is **66.0227, 85.0359, 107.5415**, and **28.1763, 40.0437, 59.6702** is the 20% darker color. If you saturate the color by 10%, you get **51.6630, 72.3809, 105.8557**, and if you desaturate by 10%, it is **56.6761, 76.2517, 106.3386**.

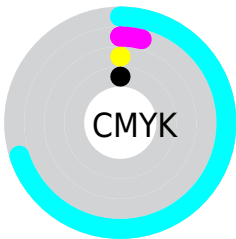
# Distribution



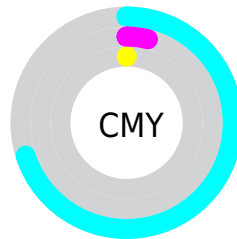
- Red (30%)
- Green (96%)
- Blue (100%)



- Red (30%)
- Yellow (64%)
- Blue (100%)



- Cyan (70%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (70%)
- Magenta (4%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.7630, 74.1026, 106.0774 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 53.7630, 74.1026, 106.0774 by changing the saturation by 10% instead.





 53.7630, 74.1026,  
106.0774


 53.7630, 74.1026,  
106.0774


391.4187,  
474.8274, 600.9189


 38.6421, 54.8780,  
80.7406


 94.8851, 125.0412,  
171.6086


 26.6609, 39.3041,  
59.7982


 121.6171,  
157.5241, 212.6401

 17.4540, 26.9964,  
42.8318

 152.9501,  
195.1951, 259.7402

 10.6560, 17.5705,  
29.4227

 189.2495,  
238.4388, 313.3274

 5.9016, 10.6421,  
19.1525

230.8808,  
287.6395, 373.8204

 2.8254, 5.8267,  
11.6026

278.2091,

 1.0621, 2.7400,

343.1815, 441.6376

6.3545

331.6000,  
405.4494, 517.1976

0.0000, 0.9975,  
2.9895

0.0000, 0.0000,  
1.0893

53.7630, 74.1026,  
106.0774

53.7630, 74.1026,  
106.0774

51.6630, 72.3809,  
105.8557

56.6761, 76.2517,  
106.3386

50.2699, 71.0270,  
105.6678

60.4807, 78.8637,  
106.6423

49.4251, 69.9606,  
105.5065

65.2522, 81.9792,  
106.9922

49.4102, 69.9403,  
105.5034

71.0567, 85.6323,  
107.3913

■ 77.9544, 89.8539,  
107.8427

■ 86.0008, 94.6728,  
108.3487

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.



52.4389, 74.1026, 74.8041



53.7630, 74.1026, 106.0774



59.3523, 74.1026, 136.0739

# Triad

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



53.7630, 74.1026, 106.0774



87.7727, 74.1026, 119.1118



72.5588, 74.1026, 36.2452

# Complementary

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



53.7630, 74.1026, 106.0774



45.9888, 28.6137, 10.1225

# 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.



82.8120, 74.1026, 42.8300



53.7630, 74.1026, 106.0774



92.1323, 74.1026, 86.8666

# Square

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



53.7630, 74.1026, 106.0774



78.8155, 74.1026, 144.7975



90.2336, 74.1026, 59.7075



62.6657, 74.1026, 38.9972

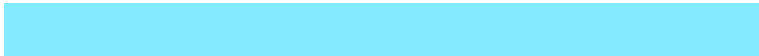


# Rectangle

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



53.7630, 74.1026, 106.0774



65.0649, 74.1026, 148.7760



90.2336, 74.1026, 59.7075



76.0870, 74.1026, 37.3759

# Sweetspot

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



53.7650, 74.1053, 106.0778



77.0666, 89.3160, 107.7856



40.4977, 73.7687, 20.8897



16.0717, 18.8595, 23.0431



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.



53.7650, 74.1053, 106.0778



50.9981, 71.7704, 105.7729



33.1865, 32.9483, 99.2183



18.4623, 20.2963, 23.1945



25.8557, 36.6209, 55.1404



2.5431, 3.6168, 5.3774



# Inverse Universe

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



60.3767, 33.1622, 89.6078



58.1991, 29.3013, 87.3584



57.8915, 52.4191, 14.0900



18.7460, 18.2817, 22.5456



29.8389, 14.4249, 44.6638

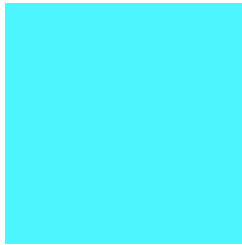


2.9182, 1.4097, 4.4168



# Previews

## White Background



This preview shows how the XYZ color 53.7630, 74.1026, 106.0774 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

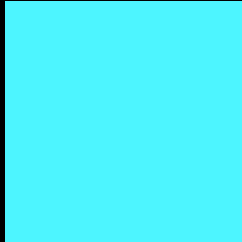
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.7630, 74.1026, 106.0774 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 53.7630, 74.1026, 106.0774

## Background



This preview shows how black text looks on a background with the XYZ color 53.7630, 74.1026, 106.0774.



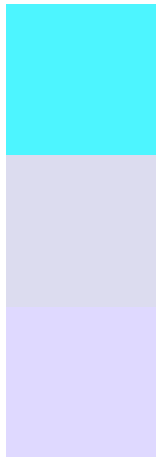
This preview shows how white text looks on a background with the XYZ color 53.7630, 74.1026,



# 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

53.7630, 74.1026, 106.0774

### Protanopia

70.6884, 72.6340, 91.9554

### Deuteranopia

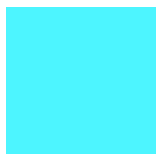
73.2943, 72.5337, 104.7451



## Tritanopia

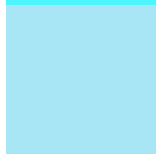
58.1224, 73.6988, 105.7697

# Trichromacy



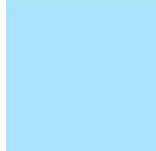
## Original Color

53.7630, 74.1026, 106.0774



## Protanomaly

60.6492, 70.9560, 96.8855



## Deuteranomaly

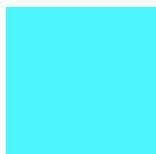
62.0966, 70.7042, 104.9822



## Tritanomaly

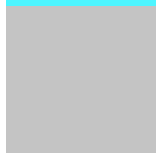
56.0608, 73.5101, 105.8419

# Monochromacy



## Original Color

53.7630, 74.1026, 106.0774



## Achromatopsia

52.4687, 55.2011, 60.1140



## Achromatomaly

49.7078, 59.8752, 74.5828

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.7630, 74.1026, 106.0774 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(77, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 245, 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(77, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 245, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 53.7630, 74.1026, 106.0774 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(77, 245, 255) }
```



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

```
.border{ border-color:rgb(77, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 245,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.7630, 74.1026, 106.0774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 245, 255) }
```

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

```
.background{ background-color: rgb(77, 245,  
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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