

# Converting Colors

XYZ(60.5803, 76.3034,  
147.6406)

Have a look what the booklet for  
XYZ(60.5803, 76.3034, 147.6406)  
contains.

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# Color

**XYZ(52.6475, 73.0796,  
105.9387)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42F4FF
RGB	66, 244, 255
RGB Percent	26%, 96%, 100%
CMY	0.7411, 0.0431, 0.0000
CMYK	0.74, 0.04, 0.00, 0.00
HSL	183°, 100%, 63%
HSV	183°, 74%, 100%
XYZ	52.6475, 73.0796, 105.9387
YIQ	192.0320, -109.6190, -34.3150

# Conversions

## Conversions Part 2

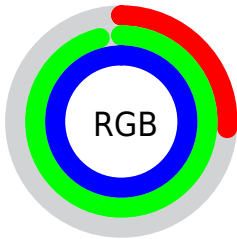
<b>Format</b>	<b>Color</b>
<b>RYB</b>	66, 158, 255
Decimal	4388095
CIELab	88.49, -39.74, -18.03
CIElCh	88, 43.640, 204.407
Yxy	73.0796, 0.2273, 0.3155
Android (android.graphics.Color)	4282578175 (0xFF42F4FF)
YUV	192.0320, 31.0432, -110.5301
Hunter-Lab	85.4866, -39.6711, -13.6341

# Details

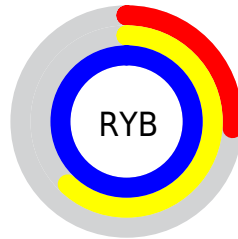
The XYZ color **52.6475, 73.0796, 105.9387** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.8785, 26.9629, 7.9956**, and the grayscale version is **49.9953, 52.5989, 57.2802**.

A 20% lighter version of the original color is **64.7945, 84.4027, 107.4841**, and **27.9634, 39.6179, 59.5993** is the 20% darker color. If you saturate the color by 10%, you get **50.8523, 71.4956, 105.7276**, and if you desaturate by 10%, it is **55.2153, 75.0704, 106.1876**.

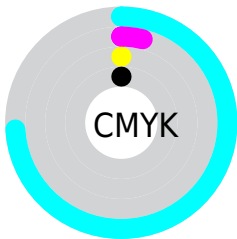
# Distribution



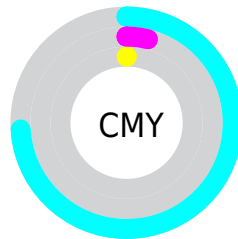
- Red (26%)
- Green (96%)
- Blue (100%)



- Red (26%)
- Yellow (62%)
- Blue (100%)



- Cyan (74%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)




- Cyan (74%)
- Magenta (4%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.6475, 73.0796, 105.9387 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 52.6475, 73.0796, 105.9387 by changing the saturation by 10% instead.





 52.6475, 73.0796,  
105.9387


 52.6475, 73.0796,  
105.9387


387.2143,  
471.2906, 600.4780


 37.7478, 54.0411,  
80.6250


 93.2541, 123.5902,  
171.4175


 25.9633, 38.6345,  
59.7036


 119.6916,  
155.8311, 212.4195

 16.9287, 26.4755,  
42.7560


 150.7058,  
193.2415, 259.4882

 10.2787, 17.1797,  
29.3637

 186.6621,  
236.2058, 313.0418

 5.6478, 10.3627,  
19.1082

227.9257,  
285.1085, 373.4991

 2.6707, 5.6401,  
11.5709

274.8620,

 0.9821, 2.6275,

340.3340, 441.2786

6.3332

327.8364,  
402.2665, 516.7987

■ 0.0000, 0.9405,  
2.9767

■ 0.0000, 0.0000,  
1.0828

■ 52.6475, 73.0796,  
105.9387

■ 52.6475, 73.0796,  
105.9387

■ 50.8523, 71.4956,  
105.7276

■ 55.2153, 75.0704,  
106.1876

■ 49.7132, 70.2535,  
105.5479

■ 58.6400, 77.5067,  
106.4774

■ 49.2579, 69.6357,  
105.4526

■ 63.0013, 80.4312,  
106.8120

■ 68.3682, 83.8795,  
107.1947

■ 74.8031, 87.8838,  
107.6285

■ 82.3636, 92.4737,  
108.1159

■ 91.1029, 97.6767,  
108.6596

■ 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.



51.2400, 73.0796, 74.0677



52.6475, 73.0796, 105.9387



58.3583, 73.0796, 136.4668

# Triad

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



52.6475, 73.0796, 105.9387



87.2072, 73.0796, 118.1963



71.4464, 73.0796, 34.7793

# Complementary

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



52.6475, 73.0796, 105.9387



44.8785, 26.9629, 7.9956

# 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.



81.8872, 73.0796, 41.2022



52.6475, 73.0796, 105.9387



91.5559, 73.0796, 85.3409

# Square

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



52.6475, 73.0796, 105.9387



78.1422, 73.0796, 144.7016



89.5174, 73.0796, 57.9878



61.4459, 73.0796, 37.6740

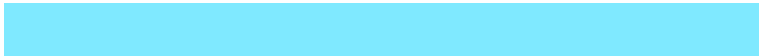


# Rectangle

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



52.6475, 73.0796, 105.9387



64.1726, 73.0796, 149.2779



89.5174, 73.0796, 57.9878



75.0300, 73.0796, 35.8574

# Sweetspot

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



52.6495, 73.0822, 105.9391



76.3041, 88.8033, 107.7268



39.2937, 73.1932, 18.7969



15.9216, 18.7559, 23.0310



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.



52.6495, 73.0822, 105.9391



50.2212, 70.8495, 105.6361



31.3738, 30.5308, 98.8472



18.4590, 20.2896, 23.1933



25.7773, 36.4643, 55.1143



2.5363, 3.6033, 5.3751



# Inverse Universe

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



59.5188, 31.6901, 88.5705



57.6526, 28.4913, 86.3033



56.5904, 50.3868, 11.8996



18.7443, 18.2810, 22.5368



29.7994, 14.4091, 44.4556

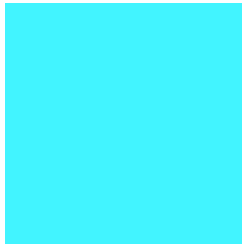


2.9148, 1.4083, 4.3988



# Previews

## White Background



This preview shows how the XYZ color 52.6475, 73.0796, 105.9387 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

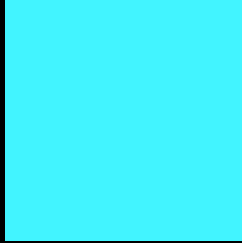
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.6475, 73.0796, 105.9387 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 52.6475, 73.0796, 105.9387

## Background



This preview shows how black text looks on a background with the XYZ color 52.6475, 73.0796, 105.9387.



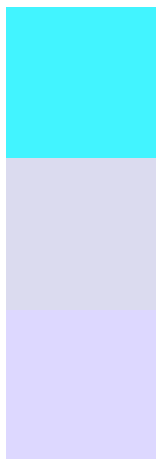
This preview shows how white text looks on a background with the XYZ color 52.6475, 73.0796,



# 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

52.6475, 73.0796, 105.9387

### Protanopia

70.1249, 71.9551, 91.8541

### Deuteranopia

72.4247, 71.7039, 104.6308



## Tritanopia

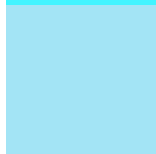
56.6622, 72.9461, 105.7013

# Trichromacy



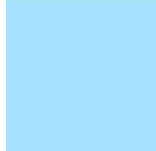
## Original Color

52.6475, 73.0796, 105.9387



## Protanomaly

59.3291, 69.8659, 96.7447



## Deuteranomaly

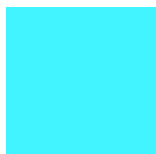
60.7634, 69.6120, 104.8416



## Tritanomaly

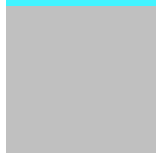
54.7608, 72.8399, 105.7811

# Monochromacy



## Original Color

52.6475, 73.0796, 105.9387



## Achromatopsia

50.1023, 52.7115, 57.4028



## Achromatomaly

47.4141, 57.6058, 72.9100

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.6475, 73.0796, 105.9387 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(66, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(66, 244, 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(66, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 244, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 52.6475, 73.0796, 105.9387 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(66, 244, 255) }
```



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

```
.border{ border-color:rgb(66, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(66, 244,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.6475, 73.0796, 105.9387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 244, 255) }
```

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

```
.background{ background-color: rgb(66, 244,  
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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