

# Converting Colors

XYZ(54.5775, 72.1409,  
105.6558)

Have a look what the booklet for  
XYZ(54.5775, 72.1409, 105.6558)  
contains.

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# Color

**XYZ(54.6896, 72.3650,  
105.6931)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66F0FF
RGB	102, 240, 255
RGB Percent	40%, 94%, 100%
CMY	0.6000, 0.0588, 0.0000
CMYK	0.60, 0.06, 0.00, 0.00
HSL	186°, 100%, 70%
HSV	186°, 60%, 100%
XYZ	54.6896, 72.3650, 105.6931
YIQ	200.4480, -87.0630, -24.5910

# Conversions

## Conversions Part 2

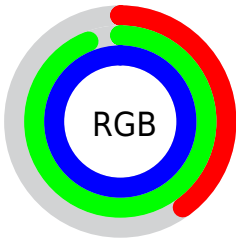
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 175, 255
Decimal	6746367
CIELab	88.14, -33.03, -18.47
CIELCh	88, 37.839, 209.215
Yxy	72.3650, 0.2350, 0.3109
Android (android.graphics.Color)	4284936447 (0xFF66F0FF)
YUV	200.4480, 26.8941, -86.3389
Hunter-Lab	85.0676, -34.1115, -14.1181

# Details

The XYZ color **54.6896, 72.3650, 105.6931** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **50.0005, 34.9431, 16.6819**, and the grayscale version is **55.0559, 57.9231, 63.0783**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **27.3335, 38.3582, 59.3893** is the 20% darker color. If you saturate the color by 10%, you get **51.5014, 69.6382, 105.3348**, and if you desaturate by 10%, it is **58.7804, 75.5754, 106.0972**.

# Distribution



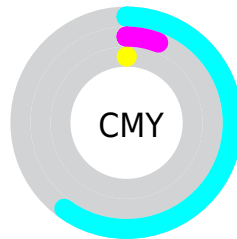
- Red (40%)
- Green (94%)
- Blue (100%)



- Red (40%)
- Yellow (69%)
- Blue (100%)



- Cyan (60%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.6896, 72.3650, 105.6931 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 54.6896, 72.3650, 105.6931 by changing the saturation by 10% instead.



54.6896, 72.3650,  
105.6931

54.6896, 72.3650,  
105.6931

394.8898,  
468.8110, 599.6970

39.3861, 53.4569,  
80.4202

96.2370, 122.5753,  
171.0789

27.2423, 38.1676,  
59.5360

123.2116,  
154.6463, 212.0289

17.8928, 26.1128,  
42.6219

154.8073,  
191.8738, 259.0418

10.9723, 16.9081,  
29.2594

191.3895,  
234.6420, 312.5360

6.1154, 10.1690,  
19.0299

233.3235,  
283.3355, 372.9300

2.9567, 5.5111,  
11.5148

280.9746,

1.1309, 2.5502,

338.3385, 440.6425

6.2957

334.7083,  
400.0356, 516.0920

■ 0.0507, 0.9017,  
2.9540

■ 0.0000, 0.0000,  
1.0712

■ 54.6896, 72.3650,  
105.6931

■ 54.6896, 72.3650,  
105.6931

■ 51.5014, 69.6382,  
105.3348

■ 58.7804, 75.5754,  
106.0972

■ 49.1253, 67.3434,  
105.0171

■ 63.8416, 79.2996,  
106.5493

■ 47.4626, 65.4312,  
104.7357

■ 69.9415, 83.5743,  
107.0529

■ 46.3485, 63.8168,  
104.4828

■ 77.1402, 88.4308,  
107.6109

■ 46.3482, 63.8163,  
104.4827

■ 85.4935, 93.8978,  
108.2258

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.



52.8139, 72.3650, 78.1131



54.6896, 72.3650, 105.6931



60.2573, 72.3650, 129.8022

# Triad

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



54.6896, 72.3650, 105.6931



84.8314, 72.3650, 107.1365



69.0192, 72.3650, 38.7431

# Complementary

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



54.6896, 72.3650, 105.6931



50.0005, 34.9431, 16.6819

# 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.



78.0724, 72.3650, 43.2790



54.6896, 72.3650, 105.6931



87.6793, 72.3650, 79.4772

# Square

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



54.6896, 72.3650, 105.6931



77.6244, 72.3650, 130.7559



85.1056, 72.3650, 56.8949



60.6357, 72.3650, 42.8232

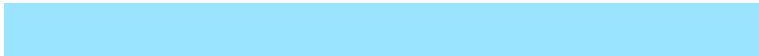


# Rectangle

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



54.6896, 72.3650, 105.6931



65.5773, 72.3650, 138.5548



85.1056, 72.3650, 56.8949



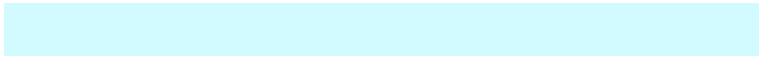
72.0869, 72.3650, 39.2908

# Sweetspot

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



54.6916, 72.3676, 105.6935



78.7143, 89.4728, 107.7290



44.3210, 75.5775, 28.3985



16.3604, 18.8276, 23.0218



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

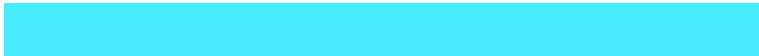


# Same Dimension

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



54.6916, 72.3676, 105.6935



50.9632, 69.1452, 105.2681



37.1221, 37.2286, 99.8370



18.3937, 20.1591, 23.1716



24.2801, 33.4697, 54.6152



2.4063, 3.3434, 5.3318



# Inverse Universe

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



61.7209, 37.0558, 86.3404



58.8053, 31.9322, 83.1876



62.3248, 59.5917, 20.7900



18.7114, 18.2679, 22.3633



29.0437, 14.1068, 40.4759

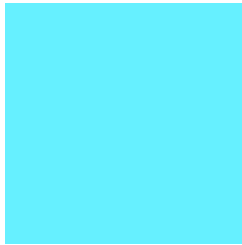


2.8492, 1.3821, 4.0534



# Previews

## White Background



This preview shows how the XYZ color 54.6896, 72.3650, 105.6931 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

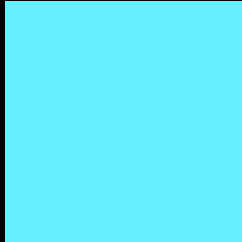
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.6896, 72.3650, 105.6931 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 54.6896, 72.3650, 105.6931

## Background



This preview shows how black text looks on a background with the XYZ color 54.6896, 72.3650, 105.6931.



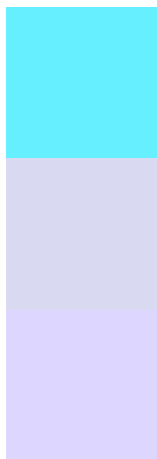
This preview shows how white text looks on a background with the XYZ color 54.6896, 72.3650,



# 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

54.6896, 72.3650, 105.6931

### Protanopia

69.5639, 71.2454, 93.3044

### Deuteranopia

72.1692, 71.1930, 104.5456



## Tritanopia

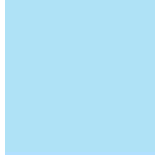
56.3602, 71.9259, 105.5203

# Trichromacy



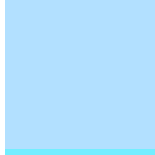
## Original Color

54.6896, 72.3650, 105.6931



## Protanomaly

61.5101, 70.1605, 97.4892



## Deuteranomaly

63.0658, 69.9963, 104.7945



## Tritanomaly

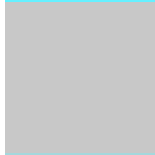
55.6948, 72.0139, 105.5724

# Monochromacy



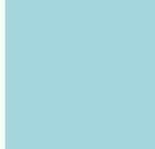
## Original Color

54.6896, 72.3650, 105.6931



## Achromatopsia

54.8990, 57.7580, 62.8985



## Achromatomaly

52.5285, 61.6607, 76.8433

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.6896, 72.3650, 105.6931 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(102, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 240, 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(102, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 240, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 54.6896, 72.3650, 105.6931 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(102, 240, 255) }
```



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

```
.border{ border-color:rgb(102, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 240,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.6896, 72.3650, 105.6931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 240, 255) }
```

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

```
.background{ background-color: rgb(102,  
240, 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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