

# Converting Colors

XYZ(53.5952, 71.0701,  
105.5009)

Have a look what the booklet for  
XYZ(53.5952, 71.0701, 105.5009)  
contains.

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# Color

**XYZ(53.5543, 70.9105,  
105.4722)**

# Conversions

## Conversions Part 1

Format	Color
Hex	61EEFF
RGB	97, 238, 255
RGB Percent	38%, 93%, 100%
CMY	0.6196, 0.0667, 0.0000
CMYK	0.62, 0.07, 0.00, 0.00
HSL	186°, 100%, 69%
HSV	186°, 62%, 100%
XYZ	53.5543, 70.9105, 105.4722
YIQ	197.7790, -89.4930, -24.6050

# Conversions

## Conversions Part 2

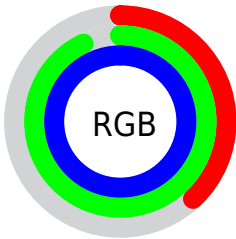
<b>Format</b>	<b>Color</b>
<b>RYB</b>	97, 172, 255
Decimal	6418175
CIELab	87.44, -32.90, -19.54
CIELCh	87, 38.262, 210.713
Yxy	70.9105, 0.2329, 0.3084
Android (android.graphics.Color)	4284608255 (0xFF61EEFF)
YUV	197.7790, 28.2100, -88.3832
Hunter-Lab	84.2084, -33.8434, -15.3157

# Details

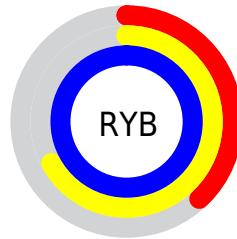
The XYZ color **53.5543, 70.9105, 105.4722** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **49.4159, 34.1589, 15.3001**, and the grayscale version is **53.4178, 56.1997, 61.2014**.

A 20% lighter version of the original color is **68.7103, 86.4214, 107.6673**, and **26.9210, 37.5331, 59.2518** is the 20% darker color. If you saturate the color by 10%, you get **50.4689, 68.1448, 105.1010**, and if you desaturate by 10%, it is **57.5286, 74.1556, 105.8891**.

# Distribution



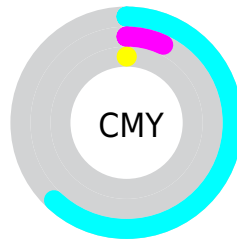
- Red (38%)
- Green (93%)
- Blue (100%)



- Red (38%)
- Yellow (67%)
- Blue (100%)



- Cyan (62%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)




- Cyan (62%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.5543, 70.9105, 105.4722 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 53.5543, 70.9105, 105.4722 by changing the saturation by 10% instead.





 53.5543, 70.9105,  
105.4722


 53.5543, 70.9105,  
105.4722


390.6343,  
463.7405, 598.9941


 38.4747, 52.2692,  
80.2361


 94.5803, 120.5063,  
170.7743

 26.5302, 37.2197,  
59.3854


 121.2573,  
152.2295, 211.6775

 17.3555, 25.3776,  
42.5014

 152.5309,  
189.0822, 258.6402

 10.5851, 16.3586,  
29.1656

188.7664,  
231.4486, 312.0808

 5.8538, 9.7783,  
18.9595

230.3291,  
279.7133, 372.4179

 2.7962, 5.2522,  
11.4645

277.5844,

 1.0469, 2.3960,

334.2606, 440.0702

6.2621

330.8977,  
395.4748, 515.4560

■ 0.0000, 0.8238,  
2.9337

■ 0.0000, 0.0000,  
1.0609

■ 53.5543, 70.9105,  
105.4722

■ 53.5543, 70.9105,  
105.4722

■ 50.4689, 68.1448,  
105.1010

■ 57.5286, 74.1556,  
105.8891

■ 48.1795, 65.8059,  
104.7702

■ 62.4617, 77.9116,  
106.3541

■ 46.5829, 63.8420,  
104.4753

■ 68.4230, 82.2159,  
106.8707

■ 45.6746, 62.4693,  
104.2582

■ 75.4738, 87.1001,  
107.4419

■ 83.6707, 92.5936,  
108.0702

■ 93.0663, 98.7234,  
108.7581

■ 95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

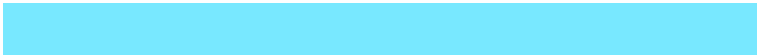
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.4945, 70.9105, 77.8297



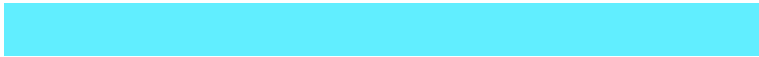
53.5543, 70.9105, 105.4722



59.2617, 70.9105, 129.1663

# Triad

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



53.5543, 70.9105, 105.4722



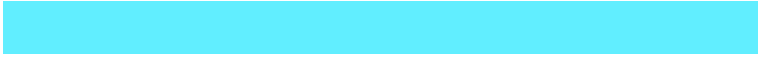
83.6927, 70.9105, 104.1587



67.1826, 70.9105, 37.4176

# Complementary

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



53.5543, 70.9105, 105.4722



49.4159, 34.1589, 15.3001

# 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.



76.2475, 70.9105, 41.4723



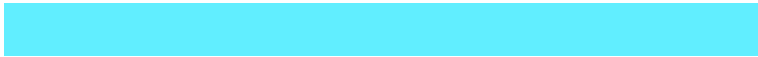
53.5543, 70.9105, 105.4722



86.2796, 70.9105, 76.5926

# Square

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



53.5543, 70.9105, 105.4722



76.6544, 70.9105, 128.2966



83.4435, 70.9105, 54.5087



58.9190, 70.9105, 41.8823

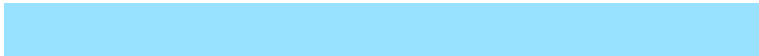


# Rectangle

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



53.5543, 70.9105, 105.4722



64.6368, 70.9105, 137.3671



83.4435, 70.9105, 54.5087



70.2374, 70.9105, 37.8185

# Sweetspot

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



53.5563, 70.9131, 105.4726



77.7763, 88.6601, 107.6216



43.6605, 75.2498, 27.7895



16.1704, 18.6538, 22.9982



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

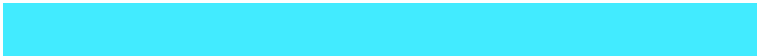


# Same Dimension

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



53.5563, 70.9131, 105.4726



49.9396, 67.6338, 105.0303



35.5870, 34.9746, 99.4829



18.3781, 20.1279, 23.1664



23.9333, 32.7761, 54.4996



2.3761, 3.2829, 5.3217



# Inverse Universe

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



60.9486, 35.9842, 84.6250



58.1579, 31.1724, 81.3219



62.2045, 59.7362, 19.5630



18.7035, 18.2647, 22.3218



28.8686, 14.0367, 39.5541

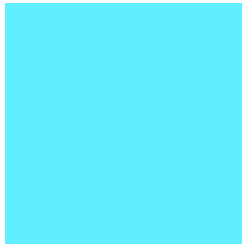


2.8340, 1.3760, 3.9730



# Previews

## White Background



This preview shows how the XYZ color 53.5543, 70.9105, 105.4722 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

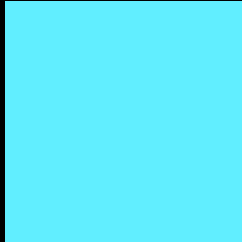
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.5543, 70.9105, 105.4722 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

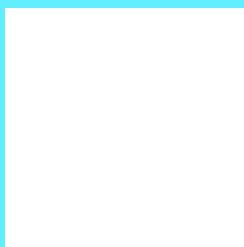
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 53.5543, 70.9105, 105.4722

## Background



This preview shows how black text looks on a background with the XYZ color 53.5543, 70.9105, 105.4722.



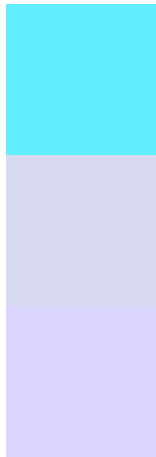
This preview shows how white text looks on a background with the XYZ color 53.5543, 70.9105,



# 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

53.5543, 70.9105, 105.4722

### Protanopia

68.4574, 69.9097, 93.1049

### Deuteranopia

70.4595, 69.5602, 104.3206



## Tritanopia

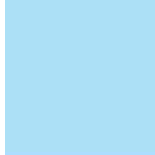
54.6409, 71.0396, 105.4399

# Trichromacy



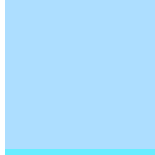
## Original Color

53.5543, 70.9105, 105.4722



## Protanomaly

60.3035, 68.7358, 97.2778



## Deuteranomaly

61.4049, 68.3468, 104.5636



## Tritanomaly

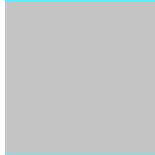
54.1599, 70.7916, 105.4174

# Monochromacy



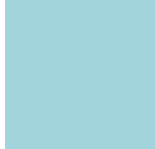
## Original Color

53.5543, 70.9105, 105.4722



## Achromatopsia

53.6758, 56.4712, 61.4971



## Achromatomaly

51.2784, 60.2800, 75.9504

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.5543, 70.9105, 105.4722 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(97, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(97, 238, 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(97, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 238, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 53.5543, 70.9105, 105.4722 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(97, 238, 255) }
```



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

```
.border{ border-color:rgb(97, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(97, 238,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.5543, 70.9105, 105.4722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 238, 255) }
```

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

```
.background{ background-color: rgb(97, 238,  
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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