

# Converting Colors

XYZ(54.8089, 71.5572,  
105.5309)

Have a look what the booklet for  
XYZ(54.8089, 71.5572, 105.5309)  
contains.

<b>XYZ(54.8089, 71.5572, 105.5309)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(54.8089, 71.5572,  
105.5309)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6CEEFF
RGB	108, 238, 255
RGB Percent	42%, 93%, 100%
CMY	0.5764, 0.0667, 0.0000
CMYK	0.58, 0.07, 0.00, 0.00
HSL	187°, 100%, 71%
HSV	187°, 58%, 100%
XYZ	54.8089, 71.5572, 105.5309
YIQ	201.0680, -82.9370, -22.2730

# Conversions

## Conversions Part 2

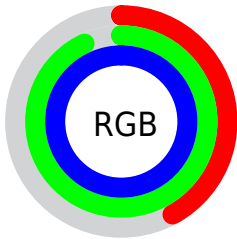
Format	Color
<a href="#">RYB</a>	<a href="#">108, 177, 255</a>
Decimal	<a href="#">7139071</a>
CIELab	<a href="#">87.76, -31.05, -19.04</a>
CIELCh	<a href="#">88, 36.419, 211.517</a>
Yxy	<a href="#">71.5572, 0.2364, 0.3086</a>
Android (android.graphics.Color)	<a href="#">4285329151 (0xFF6CEEFF)</a>
YUV	<a href="#">201.0680, 26.5885, -81.6206</a>
Hunter-Lab	<a href="#">84.5915, -32.3806, -14.7523</a>

# Details

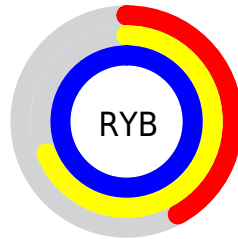
The XYZ color **54.8089, 71.5572, 105.5309** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.2813, 37.0112, 18.6306**, and the grayscale version is **55.4389, 58.3260, 63.5171**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **27.3470, 37.7527, 59.2717** is the 20% darker color. If you saturate the color by 10%, you get **51.2981, 68.4849, 105.1230**, and if you desaturate by 10%, it is **59.2444, 75.1302, 105.9868**.

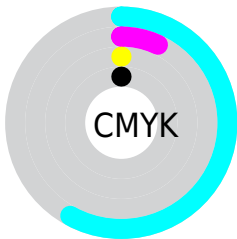
# Distribution



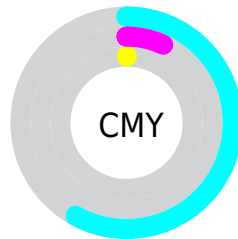
- Red (42%)
- Green (93%)
- Blue (100%)



- Red (42%)
- Yellow (69%)
- Blue (100%)



- Cyan (58%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (58%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.8089, 71.5572, 105.5309 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 54.8089, 71.5572, 105.5309 by changing the saturation by 10% instead.



54.8089, 71.5572,  
105.5309

54.8089, 71.5572,  
105.5309

395.3353,  
465.9989, 599.1809

39.4820, 52.7970,  
80.2851

96.4109, 121.4268,  
170.8553

27.3173, 37.6408,  
59.4254

123.4166,  
153.3050, 211.7709

17.9495, 25.7040,  
42.5334

155.0460,  
190.3247, 258.7469

11.0132, 16.6023,  
29.1905

191.6644,  
232.8702, 312.2018

6.1431, 9.9514,  
18.9782

233.6372,  
281.3260, 372.5541

2.9738, 5.3667,  
11.4778

281.3297,

1.1399, 2.4640,

336.0765, 440.2223

6.2710

335.1073,  
397.5060, 515.6251

■ 0.0581, 0.8585,  
2.9391

■ 0.0000, 0.0000,  
1.0636

■ 54.8089, 71.5572,  
105.5309

■ 54.8089, 71.5572,  
105.5309

■ 51.2981, 68.4849,  
105.1230

■ 59.2444, 75.1302,  
105.9868

■ 48.6244, 65.8633,  
104.7579

■ 64.6704, 79.2333,  
106.4928

■ 46.6936, 63.6454,  
104.4315

■ 71.1537, 83.9025,  
107.0523

■ 45.3786, 61.7655,  
104.1380

■ 78.7533, 89.1683,  
107.6682

■ 45.1146, 61.3492,  
104.0715

■ 87.5241, 95.0591,  
108.3430

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

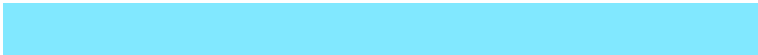
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.7185, 71.5572, 79.1804



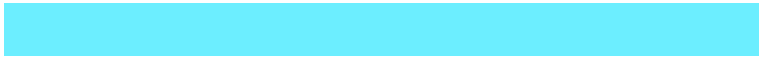
54.8089, 71.5572, 105.5309



60.3928, 71.5572, 127.6711

# Triad

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



54.8089, 71.5572, 105.5309



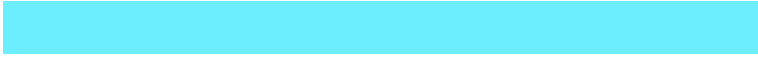
83.6879, 71.5572, 102.8819



67.5740, 71.5572, 39.3684

# Complementary

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



54.8089, 71.5572, 105.5309



51.2813, 37.0112, 18.6306

# 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.



76.2487, 71.5572, 43.1253



54.8089, 71.5572, 105.5309



86.0117, 71.5572, 76.6605

# Square

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



54.8089, 71.5572, 105.5309



77.0739, 71.5572, 125.9279



83.1837, 71.5572, 55.5912



59.6915, 71.5572, 43.9803

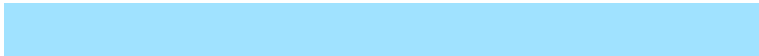


# Rectangle

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



54.8089, 71.5572, 105.5309



65.5913, 71.5572, 135.0925



83.1837, 71.5572, 55.5912



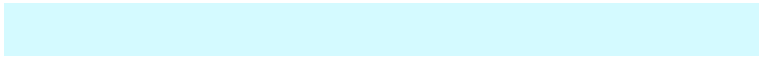
70.4936, 71.5572, 39.6889

# Sweetspot

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



54.8109, 71.5598, 105.5313



79.2823, 89.5285, 107.7099



45.5021, 76.1314, 30.9395



16.6199, 18.9241, 23.0267



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

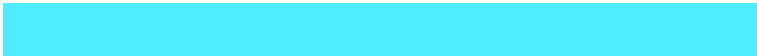


# Same Dimension

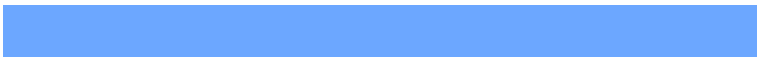
The Same Dimension uses a secret algorithm to generate beautiful new colors.



54.8109, 71.5598, 105.5313



50.8883, 68.1039, 105.0710



38.0183, 37.9746, 99.9338



18.3650, 20.1016, 23.1620



23.6448, 32.1992, 54.4034



2.3509, 3.2325, 5.3133



# Inverse Universe

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



62.0365, 38.1600, 84.9876



58.9852, 32.8374, 81.5658



63.7330, 61.9144, 22.7811



18.6969, 18.2621, 22.2869



28.7230, 13.9785, 38.7874

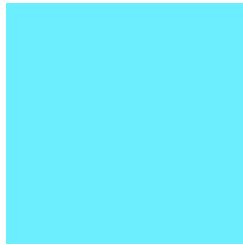


2.8212, 1.3709, 3.9060



# Previews

## White Background



This preview shows how the XYZ color 54.8089, 71.5572, 105.5309 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

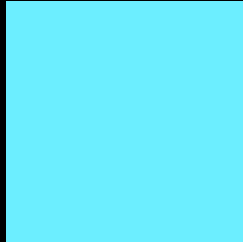
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.8089, 71.5572, 105.5309 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 54.8089, 71.5572, 105.5309

## Background



This preview shows how black text looks on a background with the XYZ color 54.8089, 71.5572, 105.5309.



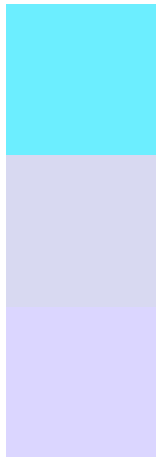
This preview shows how white text looks on a background with the XYZ color 54.8089, 71.5572,



# 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

54.8089, 71.5572, 105.5309

### Protanopia

69.0089, 70.5755, 93.2044

### Deuteranopia

71.3100, 70.3732, 104.4327



## Tritanopia

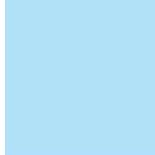
55.8054, 71.6399, 105.4944

# Trichromacy



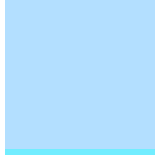
## Original Color

54.8089, 71.5572, 105.5309



## Protanomaly

61.6912, 69.8514, 97.4200



## Deuteranomaly

63.0281, 69.5791, 104.7159



## Tritanomaly

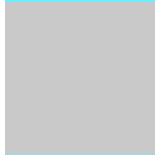
55.2736, 71.3658, 105.4695

# Monochromacy



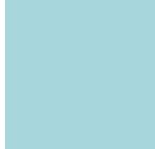
## Original Color

54.8089, 71.5572, 105.5309



## Achromatopsia

55.5167, 58.4078, 63.6061



## Achromatomaly

53.0341, 61.5291, 77.4877

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.8089, 71.5572, 105.5309 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(108, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(108, 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(108, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 238, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 54.8089, 71.5572, 105.5309 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(108, 238, 255) }
```



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

```
.border{ border-color:rgb(108, 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(108, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(108, 238,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.8089, 71.5572, 105.5309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 238, 255) }
```

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

```
.background{ background-color: rgb(108,  
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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