

Converting Colors

XYZ(62.4069, 74.3505,
149.8868)

Have a look what the booklet for
XYZ(62.4069, 74.3505, 149.8868)
contains.

XYZ(54.1040, 71.1939, 105.4979)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(54.1040, 71.1939,
105.4979)**

Conversions

Conversions Part 1

Format	Color
Hex	66EEFF
RGB	102, 238, 255
RGB Percent	40%, 93%, 100%
CMY	0.6000, 0.0667, 0.0000
CMYK	0.60, 0.07, 0.00, 0.00
HSL	187°, 100%, 70%
HSV	187°, 60%, 100%
XYZ	54.1040, 71.1939, 105.4979
YIQ	199.2740, -86.5130, -23.5450

Conversions

Conversions Part 2

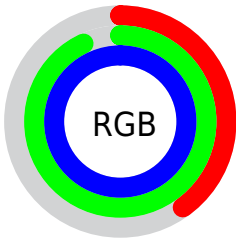
Format	Color
RYB	102, 174, 255
Decimal	6745855
CIELab	87.58, -32.08, -19.32
CIELCh	88, 37.449, 211.059
Yxy	71.1939, 0.2344, 0.3085
Android (android.graphics.Color)	4284935935 (0xFF66EEFF)
YUV	199.2740, 27.4729, -85.3093
Hunter-Lab	84.3765, -33.2008, -15.0682

Details

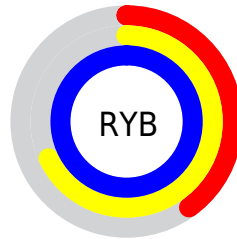
The XYZ color **54.1040, 71.1939, 105.4979** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **50.2359, 35.4140, 16.7602**, and the grayscale version is **54.3310, 57.1604, 62.2477**.

A 20% lighter version of the original color is **69.5359, 86.8470, 107.7060**, and **26.9210, 37.5331, 59.2518** is the 20% darker color. If you saturate the color by 10%, you get **50.8283, 68.2919, 105.1105**, and if you desaturate by 10%, it is **58.2851, 74.5850, 105.9321**.

Distribution



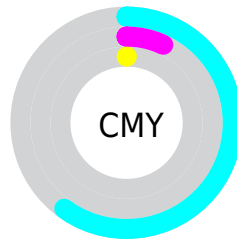
- Red (40%)
- Green (93%)
- Blue (100%)



- Red (40%)
- Yellow (68%)
- Blue (100%)



- Cyan (60%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.1040, 71.1939, 105.4979 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 54.1040, 71.1939, 105.4979 by changing the saturation by 10% instead.

54.1040, 71.1939,
105.4979

54.1040, 71.1939,
105.4979

392.6984,
464.7310, 599.0759

38.9158, 52.5004,
80.2576

95.3829, 120.9098,
170.8098

26.8747, 37.4041,
59.4029

122.2044,
152.7010, 211.7184

17.6152, 25.5205,
42.5154

153.6343,
189.6269, 258.6869

10.7721, 16.4653,
29.1765

190.0380,
232.0719, 312.1338

5.9800, 9.8540,
18.9677

231.7810,
280.4205, 372.4775

2.8734, 5.3023,
11.4703

279.2284,

1.0872, 2.4257,

335.0569, 440.1368

6.2660

332.7458,
396.3656, 515.5301

■ 0.0144, 0.8391,
2.9361

■ 0.0000, 0.0000,
1.0621

■ 54.1040, 71.1939,
105.4979

■ 54.1040, 71.1939,
105.4979

■ 50.8283, 68.2919,
105.1105

■ 58.2851, 74.5850,
105.9321

■ 48.3675, 65.8277,
104.7645

■ 63.4396, 78.4957,
106.4153

■ 46.6228, 63.7518,
104.4558

■ 69.6355, 82.9627,
106.9510

■ 45.4296, 61.9792,
104.1765

■ 76.9333, 88.0172,
107.5419

■ 45.4293, 61.9786,
104.1764

■ 85.3885, 93.6880,
108.1909

95.0500, 100.0000,
108.9000

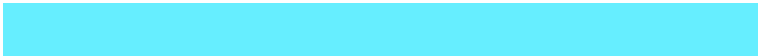
Harmonies

Analogous

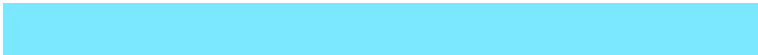
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



52.0306, 71.1939, 78.4229



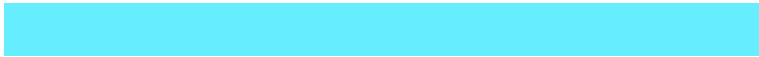
54.1040, 71.1939, 105.4979



59.7577, 71.1939, 128.5053

Triad

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



54.1040, 71.1939, 105.4979



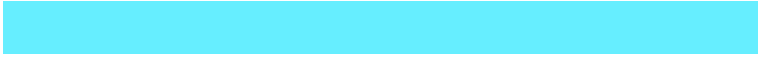
83.6897, 71.1939, 103.5922



67.3534, 71.1939, 38.2682

Complementary

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



54.1040, 71.1939, 105.4979



50.2359, 35.4140, 16.7602

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.



76.2466, 71.1939, 42.1941



54.1040, 71.1939, 105.4979



86.1603, 71.1939, 76.6202

Square

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



54.1040, 71.1939, 105.4979



76.8384, 71.1939, 127.2469



83.3276, 71.1939, 54.9822



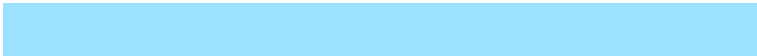
59.2573, 71.1939, 42.7979

Rectangle

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



54.1040, 71.1939, 105.4979



65.0556, 71.1939, 136.3604



83.3276, 71.1939, 54.9822



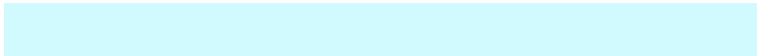
70.3487, 71.1939, 38.6343

Sweetspot

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



54.1060, 71.1965, 105.4984



78.5276, 89.0995, 107.6668



44.4693, 75.6368, 29.1799



16.3142, 18.7352, 23.0063



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.



54.1060, 71.1965, 105.4984



50.2729, 67.7646, 105.0380



36.6639, 36.3123, 99.6843



18.3724, 20.1164, 23.1645



23.8069, 32.5234, 54.4575



2.3651, 3.2608, 5.3180

Inverse Universe

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



61.4253, 36.9375, 84.7840



58.4569, 31.7928, 81.3528



62.8866, 60.7154, 20.9771



18.7006, 18.2636, 22.3065



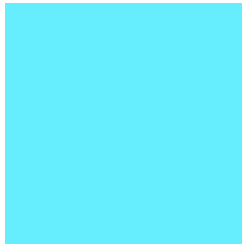
28.8048, 14.0112, 39.2183



2.8284, 1.3737, 3.9437

Previews

White Background



This preview shows how the XYZ color 54.1040, 71.1939, 105.4979 looks on a white background.

Color Contrast Check

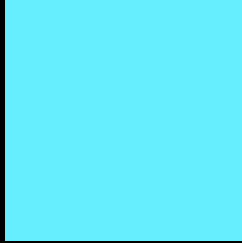
Large Text (above 18pt) WCAG AA × Fail

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 54.1040, 71.1939, 105.4979 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 54.1040, 71.1939, 105.4979

Background



This preview shows how black text looks on a background with the XYZ color 54.1040, 71.1939, 105.4979.

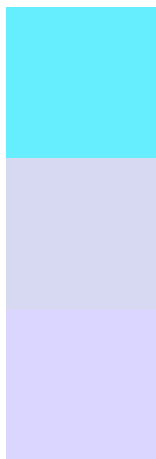


This preview shows how white text looks on a background with the XYZ color 54.1040, 71.1939,

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

54.1040, 71.1939, 105.4979

Protanopia

68.4574, 69.9097, 93.1049

Deuteranopia

71.0100, 70.2186, 104.4186



Tritanopia

55.1442, 71.2991, 105.4634

Trichromacy



Original Color

54.1040, 71.1939, 105.4979



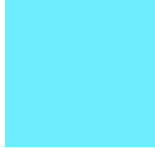
Protanomaly

60.7458, 68.9638, 97.2985



Deuteranomaly

62.3422, 69.2255, 104.6838



Tritanomaly

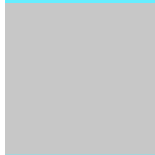
54.6409, 71.0396, 105.4399

Monochromacy



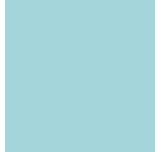
Original Color

54.1040, 71.1939, 105.4979



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

51.8903, 60.5955, 75.9790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.1040, 71.1939, 105.4979 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, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 54.1040, 71.1939, 105.4979 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, 238, 255) }
```


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

```
.border{ border-color:rgb(102, 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(102, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 54.1040, 71.1939, 105.4979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 238, 255) }
```

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

```
.background{ background-color: rgb(102,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor