

Converting Colors

XYZ(65.4150, 77.7686,
137.7093)

Have a look what the booklet for
XYZ(65.4150, 77.7686, 137.7093)
contains.

XYZ(59.3368, 75.1989, 105.9952)	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(59.3368, 75.1989,
105.9952)**

Conversions

Conversions Part 1

Format	Color
Hex	86F1FF
RGB	134, 241, 255
RGB Percent	53%, 95%, 100%
CMY	0.4745, 0.0549, 0.0000
CMYK	0.47, 0.05, 0.00, 0.00
HSL	187°, 100%, 76%
HSV	187°, 47%, 100%
XYZ	59.3368, 75.1989, 105.9952
YIQ	210.6030, -68.2660, -18.3300

Conversions

Conversions Part 2

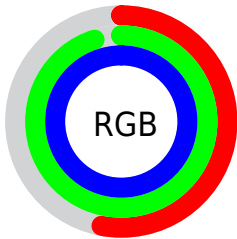
Format	Color
RYB	134, 191, 255
Decimal	8843775
CIELab	89.49, -27.35, -16.34
CIElCh	89, 31.861, 210.862
Yxy	75.1989, 0.2467, 0.3126
Android (android.graphics.Color)	4287033855 (0xFF86F1FF)
YUV	210.6030, 21.8877, -67.1808
Hunter-Lab	86.7173, -29.6156, -11.7685

Details

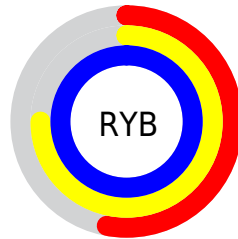
The XYZ color **59.3368, 75.1989, 105.9952** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.1336, 44.1617, 28.1218**, and the grayscale version is **61.5495, 64.7549, 70.5181**.

A 20% lighter version of the original color is **75.8023, 90.0775, 107.9992**, and **30.2145, 40.1529, 59.5839** is the 20% darker color. If you saturate the color by 10%, you get **54.8863, 71.6206, 105.5391**, and if you desaturate by 10%, it is **64.7853, 79.3162, 106.5028**.

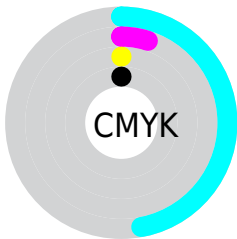
Distribution



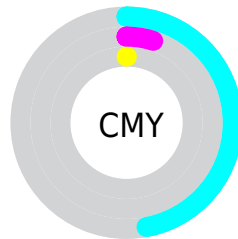
- Red (53%)
- Green (95%)
- Blue (100%)



- Red (53%)
- Yellow (75%)
- Blue (100%)



- Cyan (47%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.3368, 75.1989, 105.9952 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 59.3368, 75.1989, 105.9952 by changing the saturation by 10% instead.

59.3368, 75.1989,
105.9952

59.3368, 75.1989,
105.9952

412.0229,
478.6009, 600.6576

43.1317, 55.7759,
80.6721

102.9788,
126.5939, 171.4953

30.1834, 40.0232,
59.7421

131.1465,
159.3346, 212.5094

20.1266, 27.5567,
42.7869

164.0324,
197.2833, 259.5908

12.5959, 17.9917,
29.3878

202.0019,
240.8244, 313.1582

7.2260, 10.9441,
19.1263

245.4203,
290.3424, 373.6300

3.6514, 6.0292,
11.5838

294.6531,

1.5069, 2.8629,

346.2215, 441.4248

6.3419

350.0655,
408.8462, 516.9612

■ 0.3305, 1.0606,
2.9819

■ 0.0000, 0.0000,
1.0854

■ 59.3368, 75.1989,
105.9952

■ 59.3368, 75.1989,
105.9952

■ 54.8863, 71.6206,
105.5391

■ 64.7853, 79.3162,
106.5028

■ 51.3560, 68.5357,
105.1297

■ 71.2901, 83.9974,
107.0635

■ 48.6665, 65.9052,
104.7637

■ 78.9125, 89.2759,
107.6806

■ 46.7219, 63.6793,
104.4366

■ 87.7069, 95.1799,
108.3567

■ 45.3973, 61.7936, 95.0500, 100.0000,
104.1424 108.9000

■ 45.1113, 61.3427,
104.0704

Harmonies

Analogous

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



57.4788, 75.1989, 82.5275



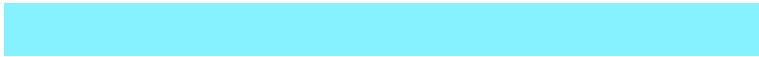
59.3368, 75.1989, 105.9952



64.4050, 75.1989, 125.5084

Triad

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



59.3368, 75.1989, 105.9952



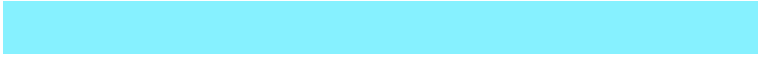
85.4176, 75.1989, 104.6696



71.2486, 75.1989, 45.9492

Complementary

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



59.3368, 75.1989, 105.9952



56.1336, 44.1617, 28.1218

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.



79.0428, 75.1989, 49.7512



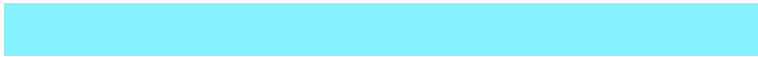
59.3368, 75.1989, 105.9952



87.5750, 75.1989, 81.2335

Square

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



59.3368, 75.1989, 105.9952



79.4621, 75.1989, 124.6501



85.1634, 75.1989, 61.7296



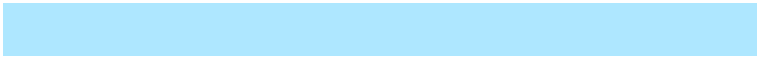
64.0406, 75.1989, 50.2169

Rectangle

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



59.3368, 75.1989, 105.9952



69.1144, 75.1989, 132.1354



85.1634, 75.1989, 61.7296



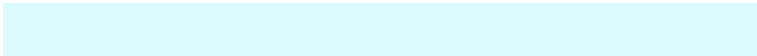
73.8873, 75.1989, 46.3185

Sweetspot

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



59.3388, 75.2017, 105.9956



81.8105, 91.2400, 107.9070



50.7889, 78.6674, 39.7444



17.1192, 19.2642, 23.0660



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.



59.3388, 75.2017, 105.9956



55.0658, 71.7704, 105.5585



44.6931, 45.9101, 101.1137



18.3649, 20.1014, 23.1620



23.6431, 32.1958, 54.4029



2.3508, 3.2322, 5.3133

Inverse Universe

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



65.6436, 44.6628, 88.3831



62.2383, 38.5205, 85.1876



67.7600, 67.4145, 31.9972



18.6968, 18.2620, 22.2867



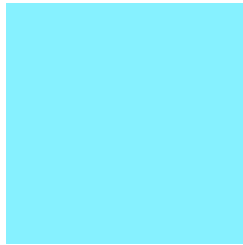
28.7222, 13.9782, 38.7829



2.8212, 1.3708, 3.9056

Previews

White Background



This preview shows how the XYZ color 59.3368, 75.1989, 105.9952 looks on a white background.

Color Contrast Check

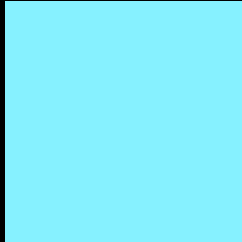
Large Text (above 18pt) WCAG AA × Fail

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 59.3368, 75.1989, 105.9952 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 59.3368, 75.1989, 105.9952

Background



This preview shows how black text looks on a background with the XYZ color 59.3368, 75.1989, 105.9952.

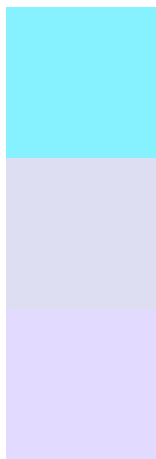


This preview shows how white text looks on a background with the XYZ color 59.3368, 75.1989,

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

59.3368, 75.1989, 105.9952

Protanopia

72.4231, 74.2432, 95.3073

Deuteranopia

75.0601, 74.2139, 104.9764



Tritanopia

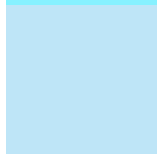
61.5734, 75.0445, 105.8475

Trichromacy



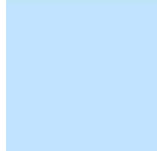
Original Color

59.3368, 75.1989, 105.9952



Protanomaly

66.0430, 73.7012, 98.7406



Deuteranomaly

67.5114, 73.4956, 105.2356



Tritanomaly

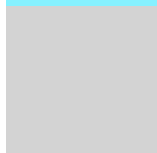
60.5936, 74.9727, 105.8853

Monochromacy



Original Color

59.3368, 75.1989, 105.9952



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

59.5148, 67.8559, 82.6338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.3368, 75.1989, 105.9952 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(134, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(134, 241, 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(134, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.3368, 75.1989, 105.9952 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(134, 241, 255) }
```


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

```
.border{ border-color:rgb(134, 241, 255) }
```

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

Here you see how a box with a 4 pixel rgb(134, 241, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(134, 241,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.3368, 75.1989, 105.9952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 241, 255) }
```

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

```
.background{ background-color: rgb(134,  
241, 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