

# Converting Colors

XYZ(58.9816, 73.2773,  
105.6430)

Have a look what the booklet for  
XYZ(58.9816, 73.2773, 105.6430)  
contains.

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# Color

**XYZ(58.9816, 73.2773,  
105.6430)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8BEDFF
RGB	139, 237, 255
RGB Percent	55%, 93%, 100%
CMY	0.4549, 0.0706, 0.0000
CMYK	0.45, 0.07, 0.00, 0.00
HSL	189°, 100%, 77%
HSV	189°, 45%, 100%
XYZ	58.9816, 73.2773, 105.6430
YIQ	209.7500, -64.1860, -15.1780

# Conversions

## Conversions Part 2

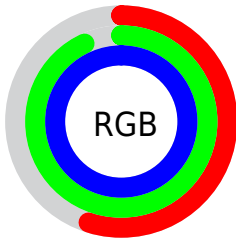
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	139, 192, 255
Decimal	9170431
CIE Lab	88.58, -24.30, -17.69
CIE LCh	89, 30.053, 216.051
Yxy	73.2773, 0.2479, 0.3080
Android (android.graphics.Color)	4287360511 (0xFF8BEDFF)
YUV	209.7500, 22.3083, -62.0478
Hunter-Lab	85.6022, -26.8137, -13.2492

# Details

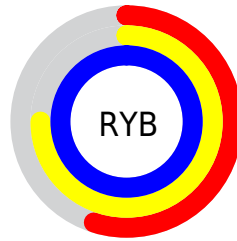
The XYZ color **58.9816, 73.2773, 105.6430** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.9577, 47.2385, 30.4913**, and the grayscale version is **60.9850, 64.1610, 69.8713**.

A 20% lighter version of the original color is **77.0987, 90.7458, 108.0599**, and **29.9414, 38.7872, 59.3347** is the 20% darker color. If you saturate the color by 10%, you get **54.0776, 69.0691, 105.0892**, and if you desaturate by 10%, it is **64.9078, 78.0533, 106.2525**.

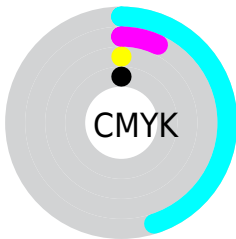
# Distribution



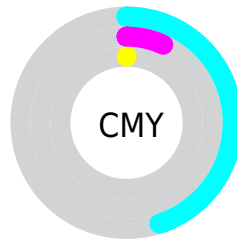
- Red (55%)
- Green (93%)
- Blue (100%)



- Red (55%)
- Yellow (75%)
- Blue (100%)



- Cyan (45%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (45%)
- Magenta (7%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 58.9816, 73.2773, 105.6430 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 58.9816, 73.2773, 105.6430 by changing the saturation by 10% instead.



58.9816, 73.2773,  
105.6430

58.9816, 73.2773,  
105.6430

410.7289,  
471.9753, 599.5376

42.8446, 54.2027,  
80.3785

102.4657,  
123.8708, 171.0098

29.9572, 38.7638,  
59.5019

130.5435,  
156.1585, 211.9493

19.9540, 26.5760,  
42.5946

163.3324,  
193.6194, 258.9507

12.4697, 17.2550,  
29.2381

201.1975,  
236.6379, 312.4328

7.1389, 10.4165,  
19.0139

244.5044,  
285.5983, 372.8139

3.5962, 5.6760,  
11.5034

293.6184,

1.4763, 2.6491,

340.8851, 440.5128

6.2881

348.9047,  
402.8826, 515.9478

■ 0.3096, 0.9514,  
2.9494

■ 0.0000, 0.0000,  
1.0689

■ 58.9816, 73.2773,  
105.6430

■ 58.9816, 73.2773,  
105.6430

■ 54.0776, 69.0691,  
105.0892

■ 64.9078, 78.0533,  
106.2525

■ 50.1196, 65.3842,  
104.5866

■ 71.9135, 83.4220,  
106.9195

■ 47.0302, 62.1841,  
104.1317

■ 80.0592, 89.4162,  
107.6472

■ 44.7169, 59.4209,  
103.7203

■ 89.3986, 96.0641,  
108.4382

■ 43.0651, 57.0353,  
103.3469

95.0500, 100.0000,  
108.9000

■ 42.4621, 56.0442,  
103.1874

# Harmonies

## Analogous

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



56.6935, 73.2773, 84.0662



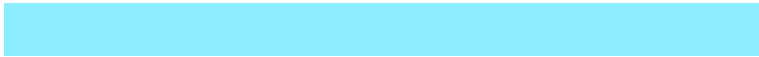
58.9816, 73.2773, 105.6430



64.1449, 73.2773, 122.0824

# Triad

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



58.9816, 73.2773, 105.6430



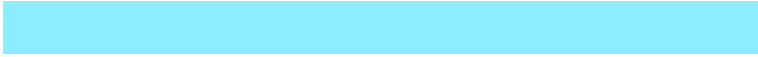
83.1701, 73.2773, 97.1012



68.1898, 73.2773, 46.3262

# Complementary

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



58.9816, 73.2773, 105.6430



57.9577, 47.2385, 30.4913

# 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.



75.4569, 73.2773, 48.5981



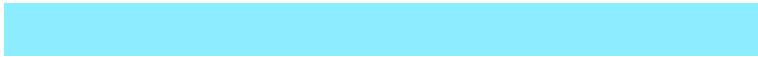
58.9816, 73.2773, 105.6430



84.4391, 73.2773, 75.6546

# Square

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



58.9816, 73.2773, 105.6430



78.1717, 73.2773, 116.5830



81.5283, 73.2773, 58.5359



61.7674, 73.2773, 51.6830

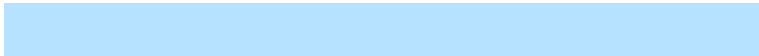


# Rectangle

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



58.9816, 73.2773, 105.6430



68.6929, 73.2773, 126.5713



81.5283, 73.2773, 58.5359



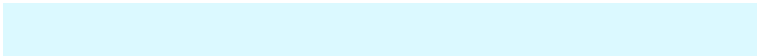
70.6117, 73.2773, 46.2375

# Sweetspot

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



58.9836, 73.2800, 105.6434



81.3722, 90.3635, 107.7609



52.4433, 79.4234, 44.1985



17.0114, 19.0486, 23.0301



0.0000, 0.0000, 0.0000

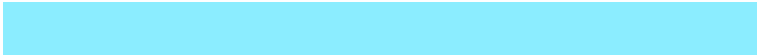


20.3446, 21.4041, 23.3091

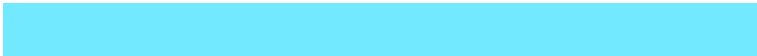


# Same Dimension

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



58.9836, 73.2800, 105.6434



54.2945, 69.2622, 105.1151



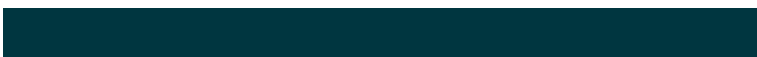
44.9396, 45.1919, 100.9621



18.3007, 19.9730, 23.1406



22.2777, 29.4650, 53.9477



2.2309, 2.9926, 5.2733



# Inverse Universe

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



65.7600, 45.8413, 85.5061



62.0847, 39.3615, 81.5966



70.0489, 71.4210, 34.5217



18.6644, 18.2491, 22.1160



28.0330, 13.7025, 35.1536

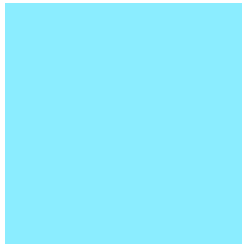


2.7607, 1.3466, 3.5872



# Previews

## White Background



This preview shows how the XYZ color 58.9816, 73.2773, 105.6430 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

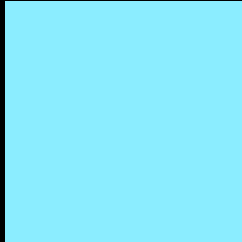
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 58.9816, 73.2773, 105.6430 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

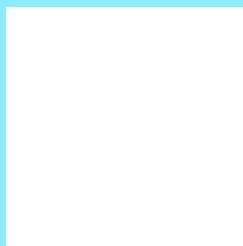
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 58.9816, 73.2773, 105.6430

## Background



This preview shows how black text looks on a background with the XYZ color 58.9816, 73.2773, 105.6430.



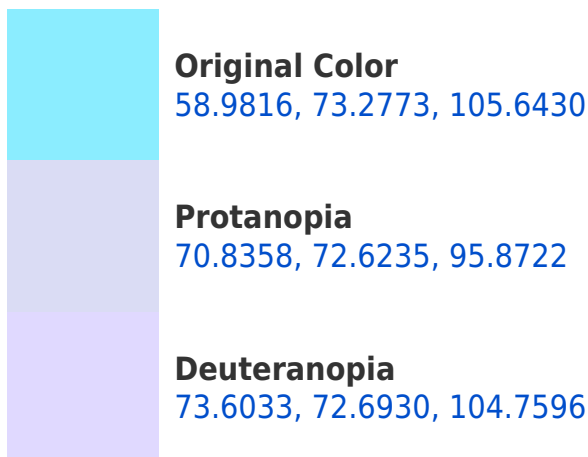
This preview shows how white text looks on a background with the XYZ color 58.9816, 73.2773,



# 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





## Tritanopia

59.3731, 73.0505, 105.5786

# Trichromacy



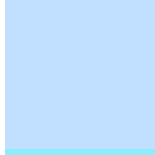
## Original Color

58.9816, 73.2773, 105.6430



## Protanomaly

65.1259, 71.9888, 99.2697



## Deuteranomaly

66.6980, 71.8688, 104.9644



## Tritanomaly

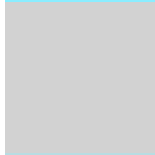
59.2008, 72.9617, 105.5705

# Monochromacy



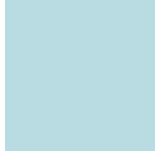
## Original Color

58.9816, 73.2773, 105.6430



## Achromatopsia

61.2578, 64.4480, 70.1838



## Achromatomaly

59.0878, 66.8677, 81.7440

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 58.9816, 73.2773, 105.6430 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(139, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 237, 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(139, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 237, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 58.9816, 73.2773, 105.6430 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(139, 237, 255) }
```



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

```
.border{ border-color:rgb(139, 237, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 237,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 58.9816, 73.2773, 105.6430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 237, 255) }
```

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

```
.background{ background-color: rgb(139,  
237, 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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