

Converting Colors

XYZ(68.8048, 77.1538,
154.5975)

Have a look what the booklet for
XYZ(68.8048, 77.1538, 154.5975)
contains.

XYZ(59.6619, 73.6280, 105.6749)	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(59.6619, 73.6280,
105.6749)**

Conversions

Conversions Part 1

Format	Color
Hex	8FEDFF
RGB	143, 237, 255
RGB Percent	56%, 93%, 100%
CMY	0.4392, 0.0706, 0.0000
CMYK	0.44, 0.07, 0.00, 0.00
HSL	190°, 100%, 78%
HSV	190°, 44%, 100%
XYZ	59.6619, 73.6280, 105.6749
YIQ	210.9460, -61.8020, -14.3300

Conversions

Conversions Part 2

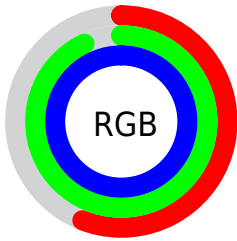
Format	Color
R _Y B	143, 194, 255
Decimal	9432575
CIE Lab	88.75, -23.38, -17.42
CIE LCh	89, 29.157, 216.685
Yxy	73.6280, 0.2497, 0.3081
Android (android.graphics.Color)	4287622655 (0xFF8FEDFF)
YUV	210.9460, 21.7186, -59.5886
Hunter-Lab	85.8068, -26.0498, -12.9536

Details

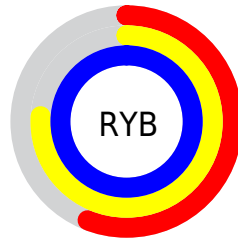
The XYZ color **59.6619, 73.6280, 105.6749** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **58.9434, 48.7335, 32.2885**, and the grayscale version is **61.7735, 64.9905, 70.7746**.

A 20% lighter version of the original color is **78.1671, 91.2966, 108.1099**, and **30.3731, 39.0098, 59.3549** is the 20% darker color. If you saturate the color by 10%, you get **54.5666, 69.2618, 105.1007**, and if you desaturate by 10%, it is **65.7915, 78.5710, 106.3059**.

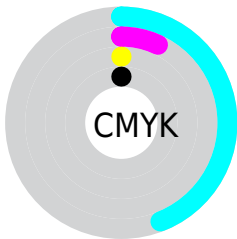
Distribution



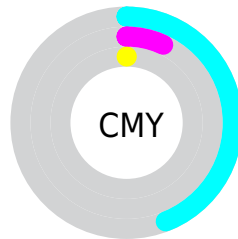
- Red (56%)
- Green (93%)
- Blue (100%)



- Red (56%)
- Yellow (76%)
- Blue (100%)



- Cyan (44%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.6619, 73.6280, 105.6749 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 59.6619, 73.6280, 105.6749 by changing the saturation by 10% instead.

59.6619, 73.6280,
105.6749

59.6619, 73.6280,
105.6749

413.2052,
473.1885, 599.6391

43.3946, 54.4896,
80.4051

103.4482,
124.3683, 171.0538

30.3907, 38.9932,
59.5236

131.6979,
156.7391, 212.0000

20.2849, 26.7545,
42.6120

164.6724,
194.2894, 259.0087

12.7118, 17.3889,
29.2517

202.7372,
237.4037, 312.4985

7.3060, 10.5122,
19.0241

246.2574,
286.4663, 372.8879

3.7022, 5.7398,
11.5107

295.5986,

1.5351, 2.6875,

341.8618, 440.5954

6.2930

351.1261,
403.9743, 516.0396

■ 0.3495, 0.9709,
2.9524

■ 0.0000, 0.0000,
1.0704

■ 59.6619, 73.6280,
105.6749

■ 59.6619, 73.6280,
105.6749

■ 54.5666, 69.2618,
105.1007

■ 65.7915, 78.5710,
106.3059

■ 50.4306, 65.4285,
104.5787

■ 73.0121, 84.1153,
106.9955

■ 47.1782, 62.0904,
104.1058

■ 81.3830, 90.2933,
107.7468

■ 44.7193, 59.2008,
103.6777

■ 90.9578, 97.1330,
108.5623

■ 42.9437, 56.7026, 95.0500, 100.0000,
103.2891 108.9000

■ 42.1029, 55.3257,
103.0676

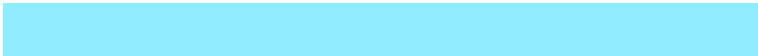
Harmonies

Analogous

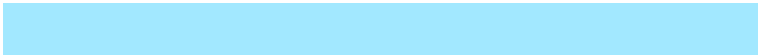
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.3606, 73.6280, 84.7740



59.6619, 73.6280, 105.6749



64.7511, 73.6280, 121.3752

Triad

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



59.6619, 73.6280, 105.6749



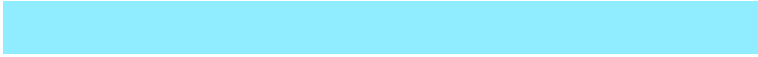
83.1852, 73.6280, 96.5394



68.4148, 73.6280, 47.4565

Complementary

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



59.6619, 73.6280, 105.6749



58.9434, 48.7335, 32.2885

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.



75.4856, 73.6280, 49.5354



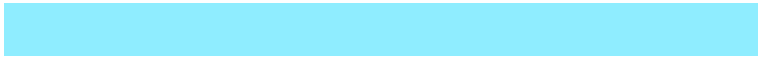
59.6619, 73.6280, 105.6749



84.3293, 73.6280, 75.7327

Square

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



59.6619, 73.6280, 105.6749



78.3975, 73.6280, 115.5124



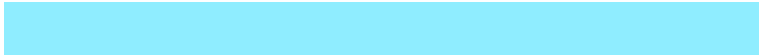
81.4267, 73.6280, 59.1367



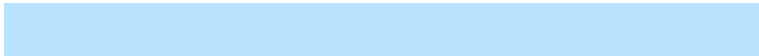
62.1899, 73.6280, 52.8874

Rectangle

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



59.6619, 73.6280, 105.6749



69.2001, 73.6280, 125.5164



81.4267, 73.6280, 59.1367



70.7682, 73.6280, 47.3164

Sweetspot

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



59.6639, 73.6307, 105.6753



82.2124, 90.8942, 107.8190



53.4166, 79.8913, 45.7733



17.1744, 19.1484, 23.0408



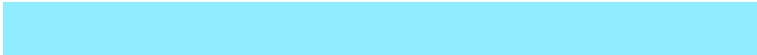
0.0000, 0.0000, 0.0000



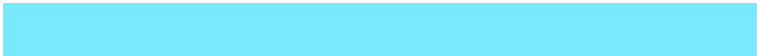
20.3446, 21.4041, 23.3091

Same Dimension

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



59.6639, 73.6307, 105.6753



54.9941, 69.6407, 105.1512



46.1482, 46.5993, 101.1700



18.2917, 19.9550, 23.1376



22.0924, 29.0944, 53.8860



2.2146, 2.9599, 5.2679

Inverse Universe

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



66.3499, 47.0211, 85.7027



62.6869, 40.5563, 81.8273



70.7034, 72.2536, 36.2085



18.6599, 18.2473, 22.0921



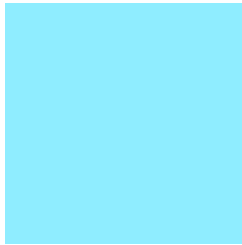
27.9394, 13.6651, 34.6611



2.7524, 1.3434, 3.5438

Previews

White Background



This preview shows how the XYZ color 59.6619, 73.6280, 105.6749 looks on a white background.

Color Contrast Check

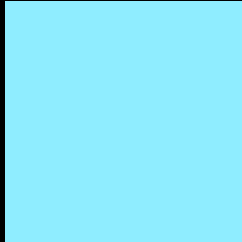
Large Text (above 18pt) WCAG AA × Fail

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 59.6619, 73.6280, 105.6749 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 59.6619, 73.6280, 105.6749

Background



This preview shows how black text looks on a background with the XYZ color 59.6619, 73.6280, 105.6749.

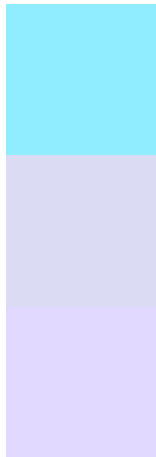


This preview shows how white text looks on a background with the XYZ color 59.6619, 73.6280,

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

59.6619, 73.6280, 105.6749

Protanopia

71.1358, 72.7781, 95.8863

Deuteranopia

73.9142, 72.8533, 104.7741



Tritanopia

59.8995, 73.3219, 105.6032

Trichromacy



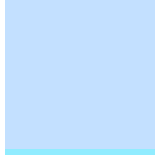
Original Color

59.6619, 73.6280, 105.6749



Protanomaly

65.6255, 72.2464, 99.2931



Deuteranomaly

67.2113, 72.1334, 104.9885



Tritanomaly

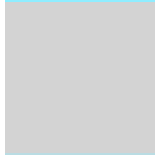
59.7225, 73.2306, 105.5950

Monochromacy



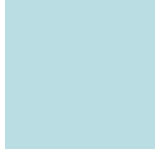
Original Color

59.6619, 73.6280, 105.6749



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

59.7080, 67.1716, 82.4915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.6619, 73.6280, 105.6749 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(143, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(143, 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(143, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 237, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.6619, 73.6280, 105.6749 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(143, 237, 255) }
```


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

```
.border{ border-color:rgb(143, 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(143, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(143, 237,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.6619, 73.6280, 105.6749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 237, 255) }
```

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

```
.background{ background-color: rgb(143,  
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](#).

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