

Converting Colors

XYZ(50.8286, 68.6824,
105.1858)

Have a look what the booklet for
XYZ(50.8286, 68.6824, 105.1858)
contains.

XYZ(50.7931, 68.6274, 105.1771)	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(50.7931, 68.6274,
105.1771)**

Conversions

Conversions Part 1

Format	Color
Hex	49ECFF
RGB	73, 236, 255
RGB Percent	29%, 93%, 100%
CMY	0.7137, 0.0745, 0.0000
CMYK	0.71, 0.07, 0.00, 0.00
HSL	186°, 100%, 64%
HSV	186°, 71%, 100%
XYZ	50.7931, 68.6274, 105.1771
YIQ	189.4290, -103.2470, -28.6470

Conversions

Conversions Part 2

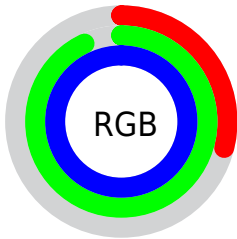
Format	Color
R_{YB}	73, 159, 255
Decimal	4844799
CIE _{Lab}	86.32, -35.28, -21.29
CIE _{LCh}	86, 41.208, 211.111
Yxy	68.6274, 0.2262, 0.3056
Android (android.graphics.Color)	4283034879 (0xFF49ECFF)
YUV	189.4290, 32.3265, -102.1082
Hunter-Lab	82.8417, -35.5283, -17.2864

Details

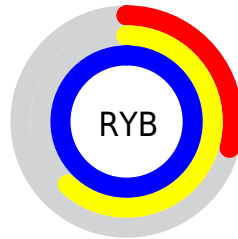
The XYZ color **50.7931, 68.6274, 105.1771** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **46.2709, 29.3969, 9.5408**, and the grayscale version is **48.4811, 51.0059, 55.5454**.

A 20% lighter version of the original color is **65.4871, 84.7597, 107.5165**, and **26.5143, 36.7197, 59.1162** is the 20% darker color. If you saturate the color by 10%, you get **48.4818, 66.3081, 104.8512**, and if you desaturate by 10%, it is **53.9110, 71.3824, 105.5445**.

Distribution



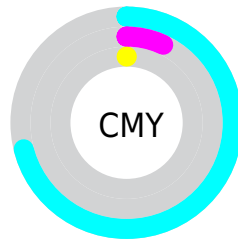
- Red (29%)
- Green (93%)
- Blue (100%)



- Red (29%)
- Yellow (62%)
- Blue (100%)



- Cyan (71%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (71%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.7931, 68.6274, 105.1771 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 50.7931, 68.6274, 105.1771 by changing the saturation by 10% instead.

50.7931, 68.6274,
105.1771

50.7931, 68.6274,
105.1771

380.1603,
455.7157, 598.0543

36.2643, 50.4083,
79.9903

90.5337, 117.2492,
170.3674

24.8095, 35.7379,
59.1842

116.4762,
148.4208, 211.2079

16.0631, 24.2319,
42.3404

146.9541,
184.6786, 258.1034

9.6600, 15.5057,
29.0404

182.3326,
226.4071, 311.4724

5.2346, 9.1751,
18.8655

222.9771,
273.9907, 371.7335

2.4217, 4.8556,
11.3973

269.2530,

0.8560, 2.1628,

327.8137, 439.3051

6.2172

321.5256,
388.2606, 514.6059

■ 0.0000, 0.6996,
2.9067

■ 0.0000, 0.0000,
1.0472

■ 50.7931, 68.6274,
105.1771

■ 50.7931, 68.6274,
105.1771

■ 48.4818, 66.3081,
104.8512

■ 53.9110, 71.3824,
105.5445

■ 46.8675, 64.3635,
104.5610

■ 57.9161, 74.6103,
105.9565

■ 45.8987, 62.9174,
104.3329

■ 62.8853, 78.3524,
106.4169

■ 68.8859, 82.6433,
106.9288

■ 75.9787, 87.5146,
107.4952

■ 84.2200, 92.9952,
108.1187

■ 93.6623, 99.1123,
108.8018

■ 95.0500, 100.0000,
108.9000

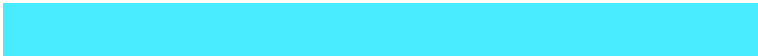
Harmonies

Analogous

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



48.6023, 68.6274, 75.7438



50.7931, 68.6274, 105.1771



56.7879, 68.6274, 130.5873

Triad

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



50.7931, 68.6274, 105.1771



82.5823, 68.6274, 102.9832



64.8743, 68.6274, 33.6448

Complementary

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



50.7931, 68.6274, 105.1771



46.2709, 29.3969, 9.5408

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.



74.4661, 68.6274, 37.6135



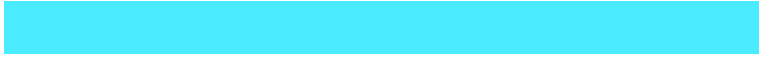
50.7931, 68.6274, 105.1771



85.2697, 68.6274, 73.7126

Square

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



50.7931, 68.6274, 105.1771



75.1391, 68.6274, 129.1193



82.1680, 68.6274, 50.8013



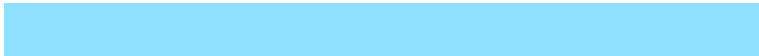
56.2297, 68.6274, 38.2598

Rectangle

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



50.7931, 68.6274, 105.1771



62.4437, 68.6274, 139.3166



82.1680, 68.6274, 50.8013



68.0944, 68.6274, 34.0097

Sweetspot

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



50.7950, 68.6298, 105.1774



76.2612, 87.7052, 107.5172



40.4060, 73.6959, 22.0404



15.8773, 18.4705, 22.9783



0.0000, 0.0000, 0.0000



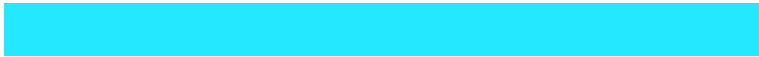
20.3446, 21.4041, 23.3091

Same Dimension

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



50.7950, 68.6298, 105.1774



47.6544, 65.3641, 104.7126



31.0477, 29.1353, 98.5950



18.3833, 20.1383, 23.1681



24.0486, 33.0068, 54.5380



2.3862, 3.3030, 5.3251

Inverse Universe

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



58.7642, 32.0830, 82.4549



56.4428, 28.3360, 78.9195



59.2129, 55.2810, 13.8548



18.7061, 18.2658, 22.3357



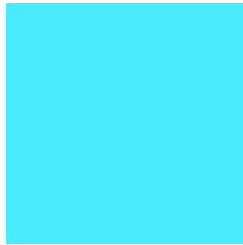
28.9268, 14.0600, 39.8607



2.8390, 1.3780, 3.9997

Previews

White Background



This preview shows how the XYZ color 50.7931, 68.6274, 105.1771 looks on a white background.

Color Contrast Check

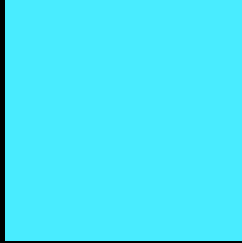
Large Text (above 18pt) WCAG AA × Fail

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 50.7931, 68.6274, 105.1771 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 50.7931, 68.6274, 105.1771

Background



This preview shows how black text looks on a background with the XYZ color 50.7931, 68.6274, 105.1771.

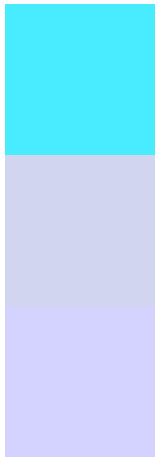


This preview shows how white text looks on a background with the XYZ color 50.7931, 68.6274,

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

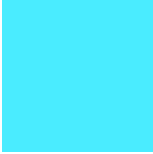
50.7931, 68.6274, 105.1771

Protanopia

66.1008, 67.5814, 91.9987

Deuteranopia

68.2480, 67.3102, 104.0029



Tritanopia

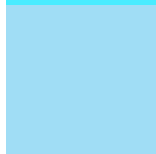
50.8695, 68.6668, 105.1806

Trichromacy



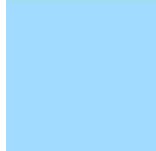
Original Color

50.7931, 68.6274, 105.1771



Protanomaly

56.8351, 65.7791, 96.0873



Deuteranomaly

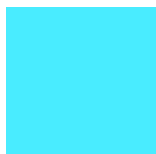
58.0795, 65.4601, 104.1817



Tritanomaly

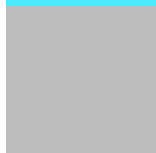
50.8695, 68.6668, 105.1806

Monochromacy



Original Color

50.7931, 68.6274, 105.1771



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

46.1142, 55.1498, 71.1653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.7931, 68.6274, 105.1771 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(73, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(73, 236, 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(73, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 236, 255) }
```

Border

The CSS property to change the border of an element to XYZ 50.7931, 68.6274, 105.1771 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(73, 236, 255) }
```


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

```
.border{ border-color:rgb(73, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(73, 236,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 50.7931, 68.6274, 105.1771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 236, 255) }
```

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

```
.background{ background-color: rgb(73, 236,  
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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