

Converting Colors

XYZ(48.5638, 50.7334,
114.8991)

Have a look what the booklet for
XYZ(48.5638, 50.7334, 114.8991)
contains.

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Color

**XYZ(45.9529, 49.5864,
101.7569)**

Conversions

Conversions Part 1

Format	Color
Hex	81C0FF
RGB	129, 192, 255
RGB Percent	51%, 75%, 100%
CMY	0.4941, 0.2470, 0.0000
CMYK	0.49, 0.25, 0.00, 0.00
HSL	210°, 100%, 75%
HSV	210°, 49%, 100%
XYZ	45.9529, 49.5864, 101.7569
YIQ	180.3450, -57.7710, 6.2370

Conversions

Conversions Part 2

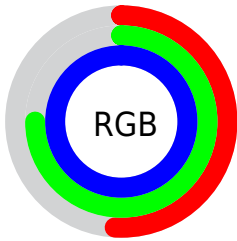
Format	Color
RYB	129, 171, 255
Decimal	8503551
CIELab	75.81, -3.32, -37.24
CIElCh	76, 37.385, 264.900
Yxy	49.5864, 0.2329, 0.2513
Android (android.graphics.Color)	4286693631 (0xFF81C0FF)
YUV	180.3450, 36.8049, -45.0296
Hunter-Lab	70.4176, -6.7459, -36.3846

Details

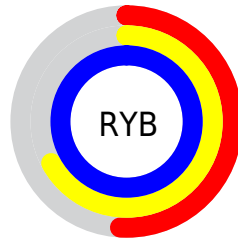
The XYZ color **45.9529, 49.5864, 101.7569** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **64.0531, 60.5457, 29.0814**, and the grayscale version is **43.3998, 45.6600, 49.7237**.

A 20% lighter version of the original color is **72.1109, 84.9196, 107.1982**, and **21.8799, 23.8077, 56.8682** is the 20% darker color. If you saturate the color by 10%, you get **39.8726, 42.4753, 100.7048**, and if you desaturate by 10%, it is **53.2452, 57.6843, 102.9356**.

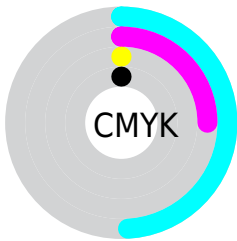
Distribution



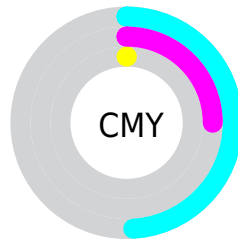
- Red (51%)
- Green (75%)
- Blue (100%)



- Red (51%)
- Yellow (67%)
- Blue (100%)



- Cyan (49%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9529, 49.5864, 101.7569 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 45.9529, 49.5864, 101.7569 by changing the saturation by 10% instead.

■ 45.9529, 49.5864,
101.7569

■ 45.9529, 49.5864,
101.7569

361.3384,
385.0463, 587.1056

■ 32.4131, 35.0849,
77.1436

■ 83.3768, 89.5618,
165.6424

■ 21.8343, 23.7283,
56.8584

■ 107.9916,
115.8044, 205.7516

■ 13.8511, 15.1322,
40.4830

■ 137.0289,
146.7295, 251.8632

■ 8.0982, 8.9122,
27.5987

170.8538,
182.7215, 304.3957

■ 4.2102, 4.6840,
17.7870

209.8319,
224.1648, 363.7676

■ 1.8217, 2.0630,
10.6293

254.3285,

■ 0.5307, 0.6437,

271.4438, 430.3976

5.7071

304.7088,
324.9428, 504.7040

■ 0.0000, 0.0000,
2.6019

■ 0.0000, 0.0000,
0.8935

■ 45.9529, 49.5864,
101.7569

■ 45.9529, 49.5864,
101.7569

■ 39.8726, 42.4753,
100.7048

■ 53.2452, 57.6843,
102.9356

■ 34.9202, 36.2956,
99.7730

■ 61.8164, 66.8094,
104.2452

■ 31.0072, 30.9933,
98.9558

■ 71.7339, 77.0057,
105.6905

■ 28.0275, 26.5037,
98.2463

■ 83.0583, 88.3128,
107.2762

■ 25.8211, 22.7341,
97.6350

95.0500, 100.0000,
108.9000

■ 25.7041, 22.5282,
97.6014

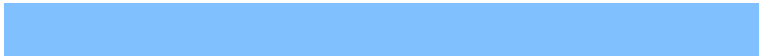
Harmonies

Analogous

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



39.8598, 49.5864, 91.7232



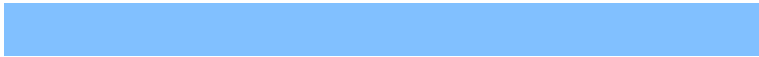
45.9529, 49.5864, 101.7569



52.9805, 49.5864, 96.6507

Triad

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



45.9529, 49.5864, 101.7569



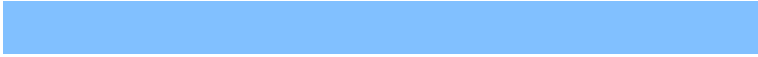
60.3131, 49.5864, 39.4342



37.0256, 49.5864, 34.8474

Complementary

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



45.9529, 49.5864, 101.7569



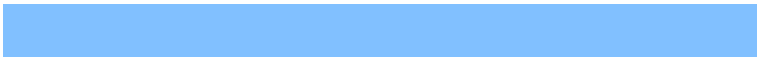
64.0531, 60.5457, 29.0814

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.



41.7276, 49.5864, 26.1963



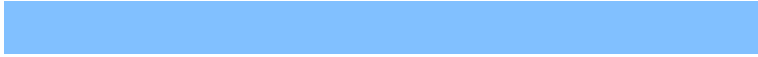
45.9529, 49.5864, 101.7569



55.2353, 49.5864, 28.3528

Square

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



45.9529, 49.5864, 101.7569



61.7251, 49.5864, 57.4638



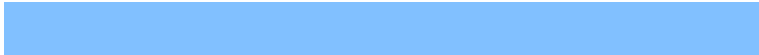
48.3278, 49.5864, 24.1501



35.0392, 49.5864, 50.6613

Rectangle

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



45.9529, 49.5864, 101.7569



57.2009, 49.5864, 85.8724



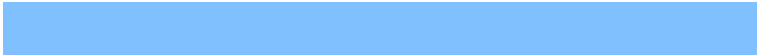
48.3278, 49.5864, 24.1501



38.3171, 49.5864, 31.1754

Sweetspot

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



45.9544, 49.5881, 101.7572



76.5505, 81.8524, 106.3722



54.0978, 79.9010, 61.2308



15.8847, 17.0180, 22.6975



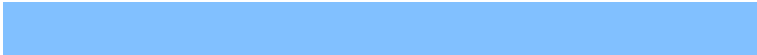
0.0000, 0.0000, 0.0000



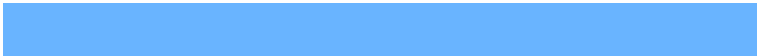
20.3446, 21.4041, 23.3091

Same Dimension

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



45.9544, 49.5881, 101.7572



40.0989, 42.7478, 100.7455



35.2347, 28.1486, 98.1839



17.7534, 18.8784, 22.9581



13.5803, 12.0701, 51.0486



1.4315, 1.3936, 5.0068

Inverse Universe

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



58.6058, 40.7679, 54.6510



54.4612, 34.5578, 46.8599



80.2966, 93.0326, 34.4959



18.3882, 18.1386, 20.6613



23.6429, 11.9464, 12.0358



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 45.9529, 49.5864, 101.7569 looks on a white background.

Color Contrast Check

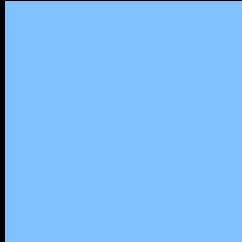
Large Text (above 18pt) WCAG AA × Fail

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 45.9529, 49.5864, 101.7569 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

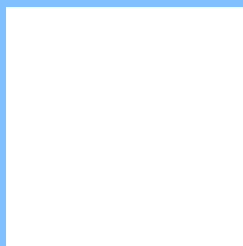
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9529, 49.5864, 101.7569

Background



This preview shows how black text looks on a background with the XYZ color 45.9529, 49.5864, 101.7569.



This preview shows how white text looks on a background with the XYZ color 45.9529, 49.5864,

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

45.9529, 49.5864, 101.7569

Protanopia

50.3878, 49.4454, 96.5107

Deuteranopia

50.5003, 49.3935, 101.4800



Tritanopia

39.8916, 49.4661, 71.7354

Trichromacy



Original Color

45.9529, 49.5864, 101.7569

Protanomaly

48.5093, 49.3757, 98.2405

Deuteranomaly

48.5828, 49.3400, 101.5707

Tritanomaly

41.9080, 49.2580, 82.1619

Monochromacy



Original Color

45.9529, 49.5864, 101.7569

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.1009, 46.3630, 65.7088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9529, 49.5864, 101.7569 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(129, 192, 255)` looks like.

```
.text, #text, p{  
    color:rgb(129, 192, 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(129, 192, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 192, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.9529, 49.5864, 101.7569 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(129, 192, 255) }
```


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

```
.border{ border-color:rgb(129, 192, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 192, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 192, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 192, 255);  
box-shadow:4px 4px 4px 4px rgb(129, 192,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9529, 49.5864, 101.7569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 192, 255) }
```

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

```
.background{ background-color: rgb(129,  
192, 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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