

Converting Colors

XYZ(51.2269, 52.2412,
134.0042)

Have a look what the booklet for
XYZ(51.2269, 52.2412, 134.0042)
contains.

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Color

**XYZ(45.0875, 49.7966,
101.8431)**

Conversions

Conversions Part 1

Format	Color
Hex	78C2FF
RGB	120, 194, 255
RGB Percent	47%, 76%, 100%
CMY	0.5294, 0.2392, 0.0000
CMYK	0.53, 0.24, 0.00, 0.00
HSL	207°, 100%, 74%
HSV	207°, 53%, 100%
XYZ	45.0875, 49.7966, 101.8431
YIQ	178.8280, -63.6850, 3.2830

Conversions

Conversions Part 2

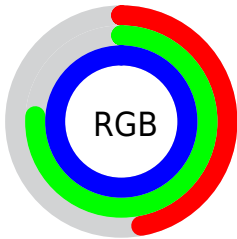
Format	Color
R_{YB}	120, 168, 255
Decimal	7914239
CIE _{Lab}	75.94, -6.36, -37.07
CIE _{LCh}	76, 37.611, 260.263
Yxy	49.7966, 0.2292, 0.2531
Android (android.graphics.Color)	4286104319 (0xFF78C2FF)
YUV	178.8280, 37.5528, -51.5922
Hunter-Lab	70.5667, -9.4419, -36.1717

Details

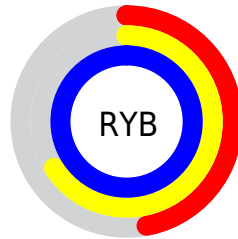
The XYZ color **45.0875, 49.7966, 101.8431** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **61.1552, 55.6655, 25.2926**, and the grayscale version is **42.5885, 44.8064, 48.7942**.

A 20% lighter version of the original color is **70.8260, 85.1749, 107.3152**, and **21.3488, 23.9677, 56.9271** is the 20% darker color. If you saturate the color by 10%, you get **39.5447, 43.2796, 100.8773**, and if you desaturate by 10%, it is **51.7736, 57.2001, 102.9197**.

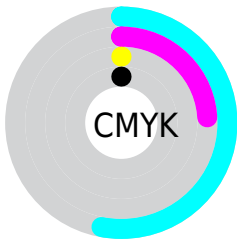
Distribution



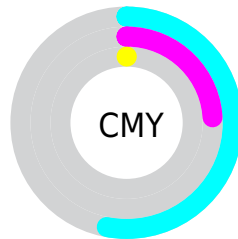
- Red (47%)
- Green (76%)
- Blue (100%)



- Red (47%)
- Yellow (66%)
- Blue (100%)



- Cyan (53%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (24%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.0875, 49.7966, 101.8431 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 45.0875, 49.7966, 101.8431 by changing the saturation by 10% instead.

■ 45.0875, 49.7966,
101.8431

■ 45.0875, 49.7966,
101.8431

357.9056,
385.8700, 587.3829

■ 31.7279, 35.2518,
77.2152

■ 82.0880, 89.8734,
165.7616

■ 21.3083, 23.8569,
56.9169

■ 106.4595,
116.1743, 205.8894

■ 13.4633, 15.2275,
40.5296

■ 135.2325,
147.1626, 252.0209

■ 7.8275, 8.9792,
27.6348

168.7722,
183.2228, 304.5746

■ 4.0357, 4.7276,
17.8139

207.4440,
224.7392, 363.9691

■ 1.7223, 2.0884,
10.6484

251.6133,

■ 0.4702, 0.6581,

272.0963, 430.6230

5.7198

301.6453,
325.6784, 504.9547

■ 0.0000, 0.0000,
2.6094

■ 0.0000, 0.0000,
0.8973

■ 45.0875, 49.7966,
101.8431

■ 45.0875, 49.7966,
101.8431

■ 39.5447, 43.2796,
100.8773

■ 51.7736, 57.2001,
102.9197

■ 35.0597, 37.5955,
100.0166

■ 59.6710, 65.5287,
104.1111

■ 31.5409, 32.6911,
99.2554

■ 68.8473, 74.8245,
105.4217

■ 28.8760, 28.5014,
98.5871

■ 79.3633, 85.1248,
106.8556

■ 27.3956, 25.9112,
98.1652

■ 91.2759, 96.4650,
108.4166

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.



39.2280, 49.7966, 89.6399



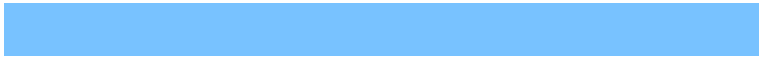
45.0875, 49.7966, 101.8431



52.1520, 49.7966, 99.0791

Triad

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



45.0875, 49.7966, 101.8431



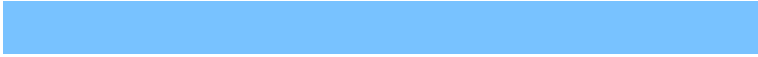
61.1302, 49.7966, 41.9229



37.7059, 49.7966, 33.1021

Complementary

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



45.0875, 49.7966, 101.8431



61.1552, 55.6655, 25.2926

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.



42.8151, 49.7966, 25.4766



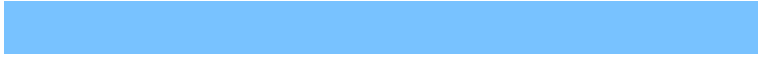
45.0875, 49.7966, 101.8431



56.4776, 49.7966, 29.6287

Square

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



45.0875, 49.7966, 101.8431



61.8921, 49.7966, 61.0125



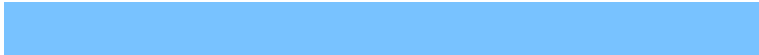
49.6460, 49.7966, 24.3852



35.2527, 49.7966, 47.9514

Rectangle

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



45.0875, 49.7966, 101.8431



56.5841, 49.7966, 89.3223



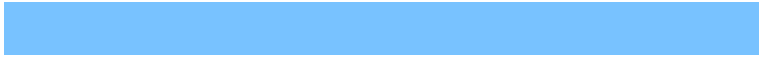
49.6460, 49.7966, 24.3852



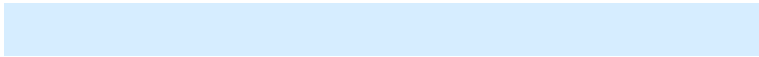
39.1445, 49.7966, 29.7810

Sweetspot

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



45.0890, 49.7983, 101.8433



75.9982, 81.8627, 106.4033



51.8218, 78.8396, 56.0699



15.7980, 17.0641, 22.7110



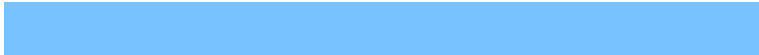
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



45.0890, 49.7983, 101.8433



39.0200, 42.6376, 100.7811



33.3545, 26.3294, 97.9318



17.8284, 19.0283, 22.9831



14.4661, 13.8418, 51.3439



1.5177, 1.5661, 5.0356

Inverse Universe

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



57.6952, 38.5897, 55.4482



53.4168, 32.2265, 47.2597



78.2750, 89.9051, 30.9992



18.4260, 18.1537, 20.8605



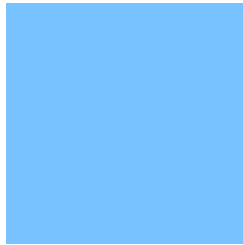
24.0900, 12.1253, 14.3904



2.4007, 1.2026, 1.6914

Previews

White Background



This preview shows how the XYZ color 45.0875, 49.7966, 101.8431 looks on a white background.

Color Contrast Check

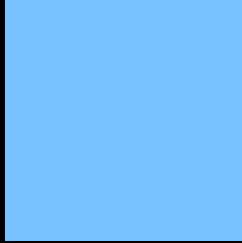
Large Text (above 18pt) WCAG AA × Fail

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 45.0875, 49.7966, 101.8431 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

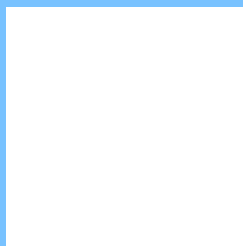
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.0875, 49.7966, 101.8431

Background



This preview shows how black text looks on a background with the XYZ color 45.0875, 49.7966, 101.8431.



This preview shows how white text looks on a background with the XYZ color 45.0875, 49.7966,

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

45.0875, 49.7966, 101.8431

Protanopia

50.2912, 49.4314, 94.8863

Deuteranopia

50.5003, 49.3935, 101.4800



Tritanopia

39.4744, 49.9088, 73.1985

Trichromacy



Original Color

45.0875, 49.7966, 101.8431

Protanomaly

48.0010, 49.4479, 97.4569

Deuteranomaly

48.2460, 49.4823, 101.6160

Tritanomaly

41.3000, 49.6024, 82.9988

Monochromacy



Original Color

45.0875, 49.7966, 101.8431

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.5035, 46.0551, 65.6808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0875, 49.7966, 101.8431 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(120, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 194, 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(120, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 194, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.0875, 49.7966, 101.8431 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(120, 194, 255) }
```


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

```
.border{ border-color:rgb(120, 194, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 194,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0875, 49.7966, 101.8431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 194, 255) }
```

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

```
.background{ background-color: rgb(120,  
194, 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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