

Converting Colors

XYZ(45.8131, 47.7081, 96.4165)

Have a look what the booklet for
XYZ(45.8131, 47.7081, 96.4165)
contains.

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Color

**XYZ(45.8131, 47.7081,
96.4165)**

Conversions

Conversions Part 1

Format	Color
Hex	8EBAF9
RGB	142, 186, 249
RGB Percent	56%, 73%, 98%
CMY	0.4431, 0.2706, 0.0235
CMYK	0.43, 0.25, 0.00, 0.02
HSL	215°, 90%, 77%
HSV	215°, 43%, 98%
XYZ	45.8131, 47.7081, 96.4165
YIQ	180.0260, -46.4470, 10.2650

Conversions

Conversions Part 2

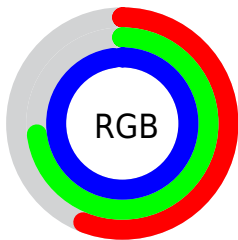
Format	Color
RYB	142, 173, 249
Decimal	9353977
CIELab	74.64, 1.34, -35.78
CIElCh	75, 35.804, 272.144
Yxy	47.7081, 0.2412, 0.2512
Android (android.graphics.Color)	4287544057 (0xFF8EBAF9)
YUV	180.0260, 34.0042, -33.3488
Hunter-Lab	69.0711, -2.4798, -34.4134

Details

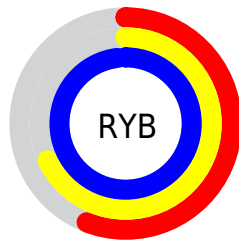
The XYZ color **45.8131, 47.7081, 96.4165** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.7822, 65.7571, 34.8184**, and the grayscale version is **43.2389, 45.4907, 49.5393**.

A 20% lighter version of the original color is **73.3553, 82.8664, 106.7363**, and **21.7397, 22.5593, 53.0777** is the 20% darker color. If you saturate the color by 10%, you get **39.0769, 39.8840, 95.2622**, and if you desaturate by 10%, it is **53.8237, 56.6615, 97.7234**.

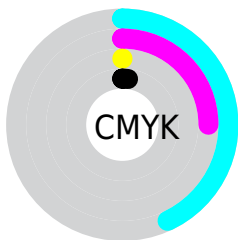
Distribution



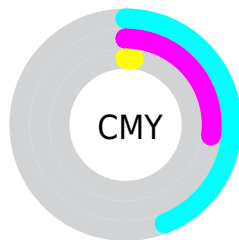
- Red (56%)
- Green (73%)
- Blue (98%)



- Red (56%)
- Yellow (68%)
- Blue (98%)



- Cyan (43%)
- Magenta (25%)
- Yellow (0%)
- Black (2%)



- Cyan (44%)
- Magenta (27%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8131, 47.7081, 96.4165 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 45.8131, 47.7081, 96.4165 by changing the saturation by 10% instead.

■ 45.8131, 47.7081,
96.4165

■ 45.8131, 47.7081,
96.4165

360.7853,
377.6339, 569.7896

■ 32.3024, 33.5958,
72.7111

■ 83.1688, 86.7696,
158.2325

■ 21.7492, 22.5832,
53.2494

■ 107.7445,
112.4876, 197.1801

■ 13.7883, 14.2861,
37.6128

136.7391,
142.8430, 242.0456

■ 8.0543, 8.3199,
25.3828

170.5182,
178.2201, 293.2475

■ 4.1818, 4.3003,
16.1409

209.4470,
219.0034, 351.2043

■ 1.8055, 1.8429,
9.4685

253.8909,

■ 0.5210, 0.5137,

265.5772, 416.3346

4.9470

304.2152,
318.3259, 489.0568

■ 0.0000, 0.0000,
2.1580

■ 0.0000, 0.0000,
0.6500

■ 45.8131, 47.7081,
96.4165

■ 45.8131, 47.7081,
96.4165

■ 39.0769, 39.8840,
95.2622

■ 53.8237, 56.6615,
97.7234

■ 33.5362, 33.1317,
94.2509

■ 63.1711, 66.7871,
99.1851

■ 29.1107, 27.3957,
93.3770

■ 73.9195, 78.1318,
100.8084

■ 25.7064, 22.6122,
92.6331

■ 86.1272, 90.7382,
102.5982

■ 23.2109, 18.7066,
92.0108

■ 94.0990, 99.6196,
103.8924

■ 21.8891, 16.4196,
91.6390

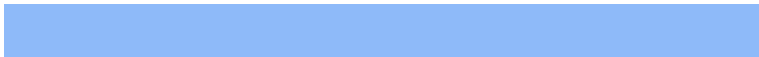
Harmonies

Analogous

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



39.7659, 47.7081, 90.3382



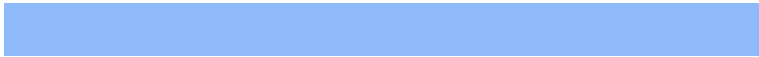
45.8131, 47.7081, 96.4165



52.3066, 47.7081, 88.4204

Triad

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



45.8131, 47.7081, 96.4165



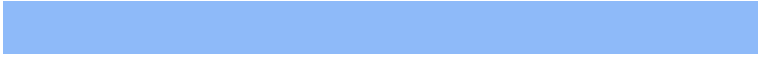
56.7411, 47.7081, 35.1714



35.1920, 47.7081, 36.9856

Complementary

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



45.8131, 47.7081, 96.4165



65.7822, 65.7571, 34.8184

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.



39.0304, 47.7081, 27.2005



45.8131, 47.7081, 96.4165



51.4232, 47.7081, 26.3419

Square

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



45.8131, 47.7081, 96.4165



58.9788, 47.7081, 50.6217



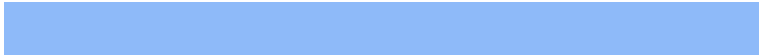
44.8803, 47.7081, 23.8125



33.9932, 47.7081, 53.2932

Rectangle

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



45.8131, 47.7081, 96.4165



55.9176, 47.7081, 77.0816



44.8803, 47.7081, 23.8125



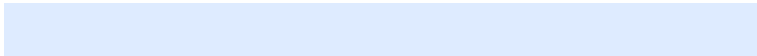
36.1970, 47.7081, 32.9717

Sweetspot

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



45.8147, 47.7099, 96.4176



77.9747, 82.4188, 106.4065



55.9816, 77.8830, 69.4731



16.1255, 17.0506, 22.6911



0.0000, 0.0000, 0.0000



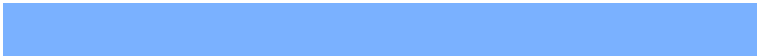
20.3446, 21.4041, 23.3091

Same Dimension

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



45.8147, 47.7099, 96.4176



41.8405, 42.8022, 100.6642



39.5206, 32.7588, 93.8635



16.8692, 17.8153, 21.9349



11.8485, 9.0526, 49.0964



1.1989, 1.0415, 4.5810

Inverse Universe

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



57.6043, 43.0327, 51.7261



56.1773, 38.4489, 46.0172



74.7228, 88.2453, 38.6878



17.5405, 17.3436, 19.4362



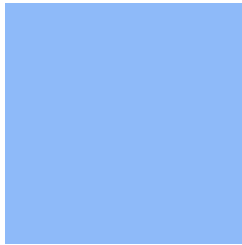
22.2726, 11.3248, 8.1440



2.1141, 1.0694, 1.0241

Previews

White Background



This preview shows how the XYZ color 45.8131, 47.7081, 96.4165 looks on a white background.

Color Contrast Check

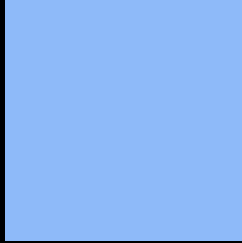
Large Text (above 18pt) WCAG AA × Fail

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 45.8131, 47.7081, 96.4165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

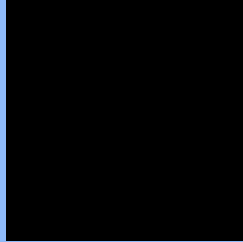
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

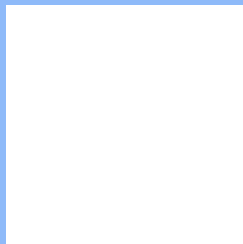
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.8131, 47.7081, 96.4165

Background



This preview shows how black text looks on a background with the XYZ color 45.8131, 47.7081, 96.4165.



This preview shows how white text looks on a background with the XYZ color 45.8131, 47.7081,

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

45.8131, 47.7081, 96.4165

Protanopia

48.5224, 47.6397, 93.0242

Deuteranopia

48.8834, 47.7364, 97.0801



Tritanopia

39.9387, 47.5687, 67.3983

Trichromacy



Original Color

45.8131, 47.7081, 96.4165

Protanomaly

47.4727, 47.6889, 93.8916

Deuteranomaly

47.7064, 47.7377, 97.1424

Tritanomaly

41.8597, 47.3596, 77.4561

Monochromacy



Original Color

45.8131, 47.7081, 96.4165

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

43.4733, 45.9707, 64.3395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8131, 47.7081, 96.4165 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(142, 186, 249)` looks like.

```
.text, #text, p{  
    color:rgb(142, 186, 249)  
}
```

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(142, 186, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 186, 249) }
```

Border

The CSS property to change the border of an element to XYZ 45.8131, 47.7081, 96.4165 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(142, 186, 249) }
```


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

```
.border{ border-color:rgb(142, 186, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 186, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 186, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 186, 249);  
box-shadow:4px 4px 4px 4px rgb(142, 186,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8131, 47.7081, 96.4165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 186, 249) }
```

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

```
.background{ background-color: rgb(142,  
186, 249) }
```

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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