

Converting Colors

XYZ(50.7753, 49.3639,
128.7092)

Have a look what the booklet for
XYZ(50.7753, 49.3639, 128.7092)
contains.

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Color

**XYZ(45.5523, 47.1522,
101.3082)**

Conversions

Conversions Part 1

Format	Color
Hex	88B9FF
RGB	136, 185, 255
RGB Percent	53%, 73%, 100%
CMY	0.4666, 0.2745, 0.0000
CMYK	0.47, 0.27, 0.00, 0.00
HSL	215°, 100%, 77%
HSV	215°, 47%, 100%
XYZ	45.5523, 47.1522, 101.3082
YIQ	178.3290, -51.6740, 11.3820

Conversions

Conversions Part 2

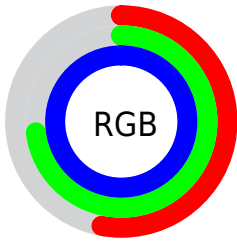
Format	Color
RYB	136, 171, 255
Decimal	8960511
CIELab	74.29, 2.12, -39.58
CIELCh	74, 39.640, 273.062
Yxy	47.1522, 0.2348, 0.2430
Android (android.graphics.Color)	4287150591 (0xFF88B9FF)
YUV	178.3290, 37.7988, -37.1225
Hunter-Lab	68.6675, -1.7556, -39.4060

Details

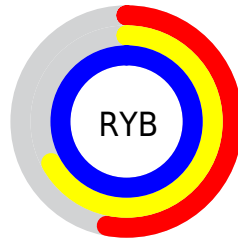
The XYZ color **45.5523, 47.1522, 101.3082** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **67.7561, 67.1813, 32.6906**, and the grayscale version is **42.3181, 44.5220, 48.4844**.

A 20% lighter version of the original color is **71.7534, 81.5999, 106.5763**, and **21.5862, 22.1994, 56.5733** is the 20% darker color. If you saturate the color by 10%, you get **38.9187, 39.3181, 100.1457**, and if you desaturate by 10%, it is **53.5049, 56.1596, 102.6276**.

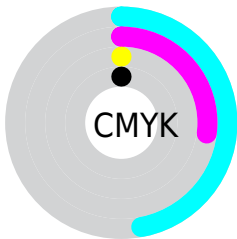
Distribution



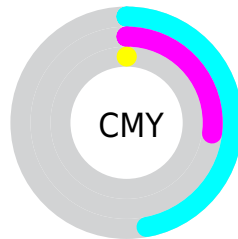
- Red (53%)
- Green (73%)
- Blue (100%)



- Red (53%)
- Yellow (67%)
- Blue (100%)



- Cyan (47%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (47%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.5523, 47.1522, 101.3082 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 45.5523, 47.1522, 101.3082 by changing the saturation by 10% instead.

■ 45.5523, 47.1522,
101.3082

■ 45.5523, 47.1522,
101.3082

359.7520,
375.4217, 585.6613

■ 32.0958, 33.1560,
76.7706

■ 82.7806, 85.9408,
165.0213

■ 21.5906, 22.2460,
56.5541

■ 107.2830,
111.5019, 205.0339

■ 13.6713, 14.0377,
40.2404

■ 136.1982,
141.6868, 251.0418

■ 7.9726, 8.1469,
27.4108

169.8914,
176.8799, 303.4637

■ 4.1291, 4.1891,
17.6468

208.7280,
217.4655, 362.7180

■ 1.7754, 1.7799,
10.5299

253.0735,

■ 0.5028, 0.4746,

263.8281, 429.2234

5.6415

303.2930,
316.3521, 503.3983

■ 0.0000, 0.0000,
2.5631

■ 0.0000, 0.0000,
0.8733

■ 45.5523, 47.1522,
101.3082

■ 45.5523, 47.1522,
101.3082

■ 38.9187, 39.3181,
100.1457

■ 53.5049, 56.1596,
102.6276

■ 33.5186, 32.5952,
99.1326

■ 62.8460, 66.3879,
104.1095

■ 29.2622, 26.9224,
98.2620

■ 73.6449, 77.8876,
105.7600

■ 26.0439, 22.2282,
97.5255

■ 85.9649, 90.7047,
107.5847

■ 23.7327, 18.4274,
96.9137

95.0500, 100.0000,
108.9000

■ 23.1016, 17.3232,
96.7339

Harmonies

Analogous

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



38.8946, 47.1522, 94.8441



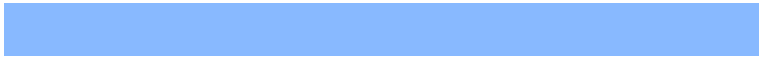
45.5523, 47.1522, 101.3082



52.7107, 47.1522, 91.7245

Triad

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



45.5523, 47.1522, 101.3082



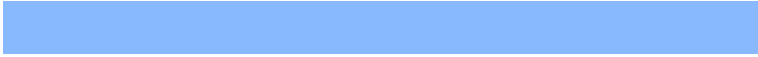
57.3016, 47.1522, 32.7788



33.6830, 47.1522, 35.5437

Complementary

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



45.5523, 47.1522, 101.3082



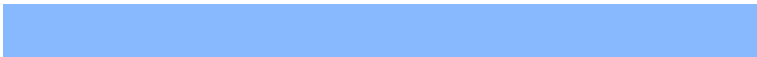
67.7561, 67.1813, 32.6906

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.



37.7531, 47.1522, 24.9865



45.5523, 47.1522, 101.3082



51.3115, 47.1522, 23.7125

Square

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



45.5523, 47.1522, 101.3082



59.9300, 47.1522, 49.2740



44.0892, 47.1522, 21.2908



32.4854, 47.1522, 53.4645

Rectangle

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



45.5523, 47.1522, 101.3082



56.6781, 47.1522, 78.7011



44.0892, 47.1522, 21.2908



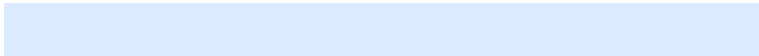
34.7377, 47.1522, 31.1940

Sweetspot

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



45.5538, 47.1539, 101.3084



76.7766, 81.1723, 106.2290



56.9843, 81.1827, 70.6895



15.8888, 16.8034, 22.6559



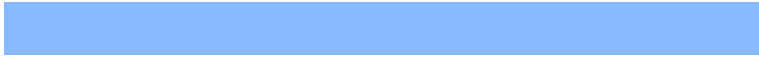
0.0000, 0.0000, 0.0000



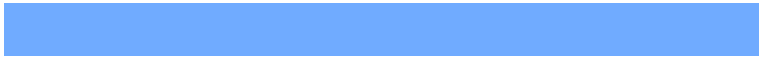
20.3446, 21.4041, 23.3091

Same Dimension

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



45.5538, 47.1539, 101.3084



39.3205, 39.8037, 100.2182



38.6950, 30.9336, 98.5391



17.6173, 18.6062, 22.9128



12.2095, 9.3286, 50.5917



1.2933, 1.1172, 4.9608

Inverse Universe

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



58.8022, 42.3727, 50.9801



54.4070, 35.8328, 42.5769



77.8897, 92.7253, 37.0870



18.3195, 18.1111, 20.2996



22.9510, 11.6697, 8.3923



2.2874, 1.1573, 1.0948

Previews

White Background



This preview shows how the XYZ color 45.5523, 47.1522, 101.3082 looks on a white background.

Color Contrast Check

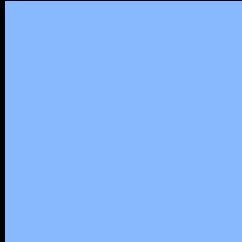
Large Text (above 18pt) WCAG AA × Fail

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 45.5523, 47.1522, 101.3082 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

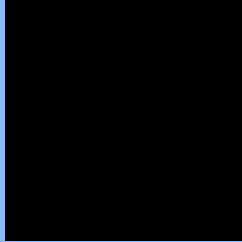
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

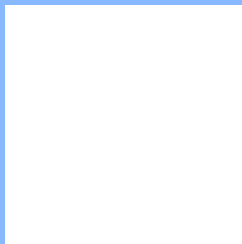
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.5523, 47.1522, 101.3082

Background



This preview shows how black text looks on a background with the XYZ color 45.5523, 47.1522, 101.3082.



This preview shows how white text looks on a background with the XYZ color 45.5523, 47.1522,

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

45.5523, 47.1522, 101.3082

Protanopia

48.4318, 47.1846, 97.8217

Deuteranopia

48.0816, 46.9304, 101.1321



Tritanopia

38.8264, 47.3246, 67.4098

Trichromacy



Original Color

45.5523, 47.1522, 101.3082

Protanomaly

47.2475, 47.1596, 98.7080

Deuteranomaly

47.1724, 47.0655, 101.2060

Tritanomaly

41.1107, 47.2646, 78.9077

Monochromacy



Original Color

45.5523, 47.1522, 101.3082

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.7687, 45.2905, 64.8803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.5523, 47.1522, 101.3082 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(136, 185, 255)` looks like.

```
.text, #text, p{  
    color:rgb(136, 185, 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(136, 185, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 185, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.5523, 47.1522, 101.3082 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(136, 185, 255) }
```


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

```
.border{ border-color:rgb(136, 185, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 185, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 185, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 185, 255);  
box-shadow:4px 4px 4px 4px rgb(136, 185,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.5523, 47.1522, 101.3082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 185, 255) }
```

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

```
.background{ background-color: rgb(136,  
185, 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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