

Converting Colors

XYZ(48.6379, 50.1284,
119.0097)

Have a look what the booklet for
XYZ(48.6379, 50.1284, 119.0097)
contains.

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Color

**XYZ(45.4332, 48.9936,
101.6699)**

Conversions

Conversions Part 1

Format	Color
Hex	7FBFFF
RGB	127, 191, 255
RGB Percent	50%, 75%, 100%
CMY	0.5019, 0.2510, 0.0000
CMYK	0.50, 0.25, 0.00, 0.00
HSL	210°, 100%, 75%
HSV	210°, 50%, 100%
XYZ	45.4332, 48.9936, 101.6699
YIQ	179.1600, -58.6880, 6.3360

Conversions

Conversions Part 2

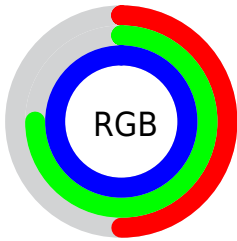
Format	Color
R_{YB}	127, 170, 255
Decimal	8372223
CIE _{Lab}	75.45, -3.23, -37.81
CIE _{LCh}	75, 37.952, 265.125
Yxy	48.9936, 0.2317, 0.2498
Android (android.graphics.Color)	4286562303 (0xFF7FBFFF)
YUV	179.1600, 37.3891, -45.7443
Hunter-Lab	69.9954, -6.6298, -37.1232

Details

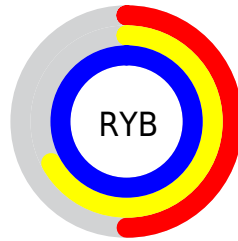
The XYZ color **45.4332, 48.9936, 101.6699** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.7027, 60.0555, 28.3151**, and the grayscale version is **42.7638, 44.9909, 48.9951**.

A 20% lighter version of the original color is **71.5605, 84.1806, 107.0846**, and **21.5283, 23.4124, 56.8105** is the 20% darker color. If you saturate the color by 10%, you get **39.4444, 41.9575, 100.6274**, and if you desaturate by 10%, it is **52.6280, 57.0127, 102.8385**.

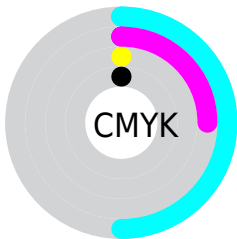
Distribution



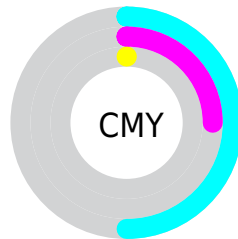
- Red (50%)
- Green (75%)
- Blue (100%)



- Red (50%)
- Yellow (67%)
- Blue (100%)



- Cyan (50%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (50%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.4332, 48.9936, 101.6699 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 45.4332, 48.9936, 101.6699 by changing the saturation by 10% instead.

■ 45.4332, 48.9936,
101.6699

■ 45.4332, 48.9936,
101.6699

359.2795,
382.7171, 586.8257

■ 32.0015, 34.6144,
77.0712

■ 82.6032, 88.6819,
165.5220

■ 21.5182, 23.3660,
56.7994

■ 107.0721,
114.7599, 205.6125

■ 13.6179, 14.8640,
40.4359

■ 135.9509,
145.5062, 251.7040

■ 7.9353, 8.7240,
27.5622

169.6049,
181.3053, 304.2150

■ 4.1051, 4.5616,
17.7598

208.3994,
222.5415, 363.5642

■ 1.7617, 1.9924,
10.6100

252.6997,

■ 0.4945, 0.6031,

269.5993, 430.1700

5.6944

302.8713,
322.8630, 504.4510

■ 0.0000, 0.0000,
2.5944

■ 0.0000, 0.0000,
0.8896

■ 45.4332, 48.9936,
101.6699

■ 45.4332, 48.9936,
101.6699

■ 39.4444, 41.9575,
100.6274

■ 52.6280, 57.0127,
102.8385

■ 34.5770, 35.8487,
99.7048

■ 61.0964, 66.0555,
104.1376

■ 30.7413, 30.6126,
98.8963

■ 70.9060, 76.1664,
105.5722

■ 27.8295, 26.1837,
98.1949

■ 82.1180, 87.3850,
107.1467

■ 25.7041, 22.5281,
97.6014

94.7898, 99.7489,
108.8653

95.0500, 100.0000,
108.9000

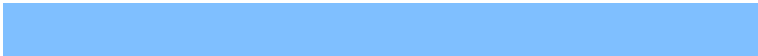
Harmonies

Analogous

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



39.2916, 48.9936, 91.6010



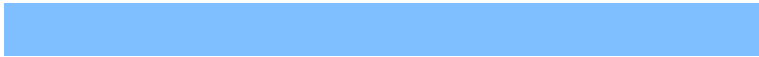
45.4332, 48.9936, 101.6699



52.5147, 48.9936, 96.3760

Triad

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



45.4332, 48.9936, 101.6699



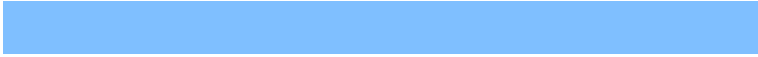
59.8375, 48.9936, 38.6042



36.3806, 48.9936, 34.2118

Complementary

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



45.4332, 48.9936, 101.6699



63.7027, 60.0555, 28.3151

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.



41.0861, 48.9936, 25.5172



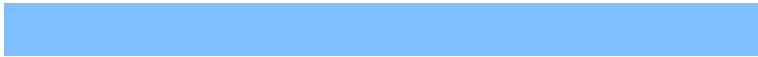
45.4332, 48.9936, 101.6699



54.6891, 48.9936, 27.5723

Square

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



45.4332, 48.9936, 101.6699



61.2959, 48.9936, 56.6868



47.7194, 48.9936, 23.4326



34.4094, 48.9936, 50.1385

Rectangle

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



45.4332, 48.9936, 101.6699



56.7640, 48.9936, 85.4028



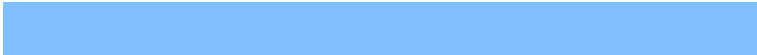
47.7194, 48.9936, 23.4326



37.6706, 48.9936, 30.5207

Sweetspot

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



45.4347, 48.9953, 101.6701



76.5505, 81.8523, 106.3722



53.9176, 79.7942, 61.8520



15.8847, 17.0180, 22.6975



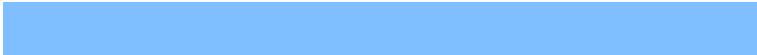
0.0000, 0.0000, 0.0000



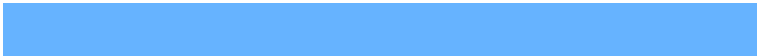
20.3446, 21.4041, 23.3091

Same Dimension

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



45.4347, 48.9953, 101.6701



39.5495, 42.0848, 100.6464



34.3934, 26.9128, 97.9897



17.7534, 18.8784, 22.9581



13.5802, 12.0700, 51.0486



1.4315, 1.3936, 5.0068

Inverse Universe

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



58.2344, 40.2020, 53.9823



54.0775, 33.9972, 46.0950



80.8312, 94.3125, 34.0246



18.3882, 18.1386, 20.6613



23.6429, 11.9464, 12.0357



2.3571, 1.1852, 1.4621

Previews

White Background



This preview shows how the XYZ color 45.4332, 48.9936, 101.6699 looks on a white background.

Color Contrast Check

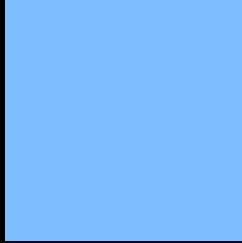
Large Text (above 18pt) WCAG AA × Fail

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 45.4332, 48.9936, 101.6699 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

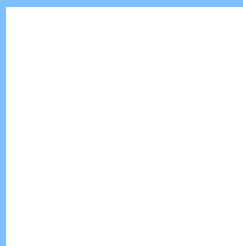
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.4332, 48.9936, 101.6699

Background



This preview shows how black text looks on a background with the XYZ color 45.4332, 48.9936, 101.6699.



This preview shows how white text looks on a background with the XYZ color 45.4332, 48.9936,

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

45.4332, 48.9936, 101.6699

Protanopia

49.7583, 48.8135, 96.4219

Deuteranopia

49.8838, 48.7684, 101.3918



Tritanopia

39.2711, 48.8206, 70.9718

Trichromacy



Original Color

45.4332, 48.9936, 101.6699

Protanomaly

47.9204, 48.7582, 98.1524

Deuteranomaly

48.0033, 48.7274, 101.4830

Tritanomaly

41.2657, 48.6093, 81.3363

Monochromacy



Original Color

45.4332, 48.9936, 101.6699

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

42.6932, 45.8455, 65.6304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4332, 48.9936, 101.6699 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(127, 191, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 191, 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(127, 191, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 191, 255) }
```

Border

The CSS property to change the border of an element to XYZ 45.4332, 48.9936, 101.6699 is called "border". The border property can be set on classes, ids or directly on the HTML element.

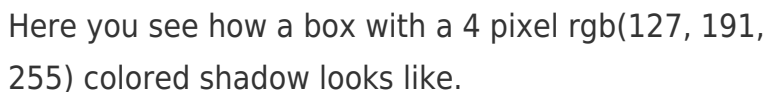
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(127, 191, 255) }
```


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

```
.border{ border-color:rgb(127, 191, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(127, 191, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(127, 191, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(127, 191, 255); box-shadow:4px 4px 4px 4px rgb(127, 191, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4332, 48.9936, 101.6699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 191, 255) }
```

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

```
.background{ background-color: rgb(127,  
191, 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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