

Converting Colors

XYZ(45.8848, 49.4402, 95.9322)

Have a look what the booklet for
XYZ(45.8848, 49.4402, 95.9322)
contains.

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Color

**XYZ(45.8906, 49.3573,
95.9152)**

Conversions

Conversions Part 1

Format	Color
Hex	89BFF8
RGB	137, 191, 248
RGB Percent	54%, 75%, 97%
CMY	0.4627, 0.2510, 0.0274
CMYK	0.45, 0.23, 0.00, 0.03
HSL	211°, 89%, 75%
HSV	211°, 45%, 97%
XYZ	45.8906, 49.3573, 95.9152
YIQ	181.3520, -50.4810, 6.2790

Conversions

Conversions Part 2

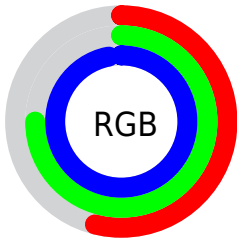
Format	Color
RYB	137, 173, 248
Decimal	9027576
CIELab	75.67, -2.89, -33.67
CIELCh	76, 33.789, 265.092
Yxy	49.3573, 0.2401, 0.2582
Android (android.graphics.Color)	4287217656 (0xFF89BFF8)
YUV	181.3520, 32.8575, -38.8967
Hunter-Lab	70.2548, -6.3491, -31.7673

Details

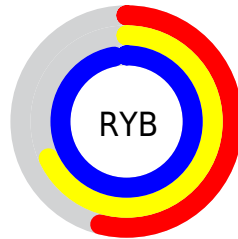
The XYZ color **45.8906, 49.3573, 95.9152** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.5199, 60.3477, 32.0218**, and the grayscale version is **43.9601, 46.2495, 50.3657**.

A 20% lighter version of the original color is **73.5589, 85.2109, 107.1781**, and **21.8007, 23.6440, 52.7049** is the 20% darker color. If you saturate the color by 10%, you get **39.6254, 42.1831, 94.8616**, and if you desaturate by 10%, it is **53.3349, 57.4998, 97.0954**.

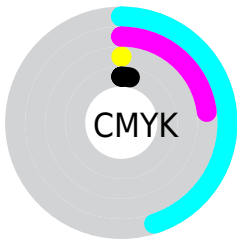
Distribution



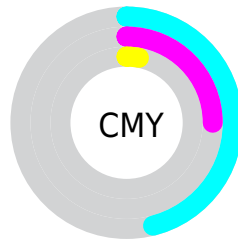
- Red (54%)
- Green (75%)
- Blue (97%)



- Red (54%)
- Yellow (68%)
- Blue (97%)



- Cyan (45%)
- Magenta (23%)
- Yellow (0%)
- Black (3%)



- Cyan (46%)
- Magenta (25%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8906, 49.3573, 95.9152 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 45.8906, 49.3573, 95.9152 by changing the saturation by 10% instead.

■ 45.8906, 49.3573,
95.9152

■ 45.8906, 49.3573,
95.9152

361.0920,
384.1472, 568.1498

■ 32.3638, 34.9030,
72.2958

■ 83.2841, 89.2219,
157.5348

■ 21.7964, 23.5882,
52.9121

■ 107.8815,
115.4010, 196.3722

■ 13.8231, 15.0284,
37.3453

■ 136.8998,
146.2571, 241.1193

■ 8.0786, 8.8393,
25.1771

170.7043,
182.1747, 292.1946

■ 4.1975, 4.6365,
15.9888

209.6604,
223.5381, 350.0168

■ 1.8145, 2.0356,
9.3620

254.1335,

■ 0.5264, 0.6280,

270.7317, 415.0044

4.8780

304.4889,
324.1400, 487.5759

■ 0.0000, 0.0000,
2.1184

■ 0.0000, 0.0000,
0.6267

■ 45.8906, 49.3573,
95.9152

■ 45.8906, 49.3573,
95.9152

■ 39.6254, 42.1831,
94.8616

■ 53.3349, 57.4998,
97.0954

■ 34.4633, 35.9261,
93.9259

■ 62.0178, 66.6471,
98.4034

■ 30.3263, 30.5375,
93.1038

■ 72.0007, 76.8403,
99.8447

■ 27.1228, 25.9602,
92.3892

■ 83.3391, 88.1162,
101.4236

■ 24.7412, 22.1264,
91.7747

■ 93.8411, 99.3527,
103.0389

■ 23.7383, 20.3671,
91.4880

■ 93.9435, 99.5574,
103.0730

Harmonies

Analogous

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



40.3573, 49.3573, 87.2516



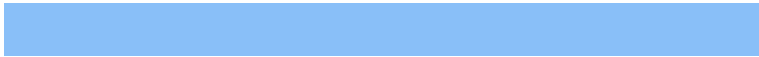
45.8906, 49.3573, 95.9152



52.2036, 49.3573, 91.3883

Triad

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



45.8906, 49.3573, 95.9152



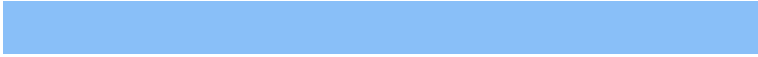
58.6773, 49.3573, 40.4103



37.7192, 49.3573, 36.3327

Complementary

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



45.8906, 49.3573, 95.9152



62.5199, 60.3477, 32.0218

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.



41.9918, 49.3573, 28.1812



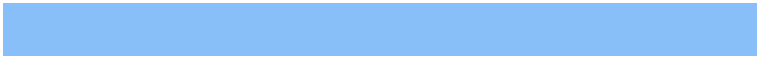
45.8906, 49.3573, 95.9152



54.1420, 49.3573, 30.1424

Square

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



45.8906, 49.3573, 95.9152



59.9537, 49.3573, 56.7445



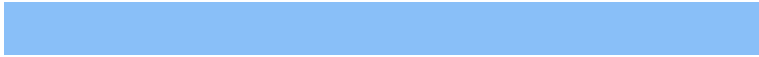
47.9497, 49.3573, 26.1966



35.9147, 49.3573, 50.8468

Rectangle

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



45.8906, 49.3573, 95.9152



55.9628, 49.3573, 81.9307



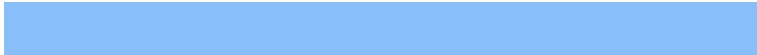
47.9497, 49.3573, 26.1966



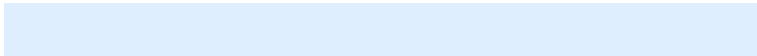
38.8949, 49.3573, 32.8971

Sweetspot

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



45.8923, 49.3591, 95.9164



78.6961, 83.8616, 106.6469



53.4553, 76.2824, 62.0684



16.3030, 17.4056, 22.7503



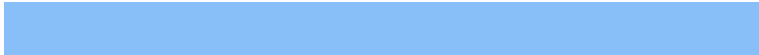
0.0000, 0.0000, 0.0000



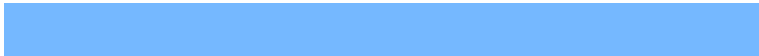
20.3446, 21.4041, 23.3091

Same Dimension

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



45.8923, 49.3591, 95.9164



42.6272, 45.4241, 101.1288



36.2071, 29.9888, 92.6880



16.9801, 18.0370, 21.9718



12.9626, 11.2808, 49.4678



1.3063, 1.2562, 4.6168

Inverse Universe

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



57.0625, 41.6111, 54.3163



56.3184, 37.5254, 49.7814



76.7953, 88.8985, 36.7803



17.5965, 17.3659, 19.7308



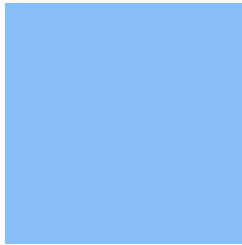
22.8350, 11.5497, 11.1053



2.1683, 1.0910, 1.3095

Previews

White Background



This preview shows how the XYZ color 45.8906, 49.3573, 95.9152 looks on a white background.

Color Contrast Check

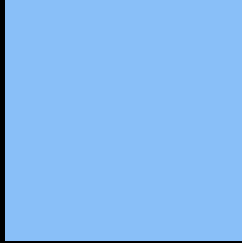
Large Text (above 18pt) WCAG AA × Fail

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 45.8906, 49.3573, 95.9152 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

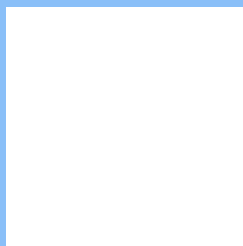
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.8906, 49.3573, 95.9152

Background



This preview shows how black text looks on a background with the XYZ color 45.8906, 49.3573, 95.9152.



This preview shows how white text looks on a background with the XYZ color 45.8906, 49.3573,

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

45.8906, 49.3573, 95.9152

Protanopia

49.7451, 49.2378, 90.8864

Deuteranopia

50.3373, 49.0939, 97.2655



Tritanopia

40.7289, 49.2486, 70.3101

Trichromacy



Original Color

45.8906, 49.3573, 95.9152

Protanomaly

48.2000, 49.3414, 92.5714

Deuteranomaly

48.5624, 49.1255, 96.5452

Tritanomaly

42.6026, 49.3465, 79.2309

Monochromacy



Original Color

45.8906, 49.3573, 95.9152

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

43.8855, 47.1050, 64.5368

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.8906, 49.3573, 95.9152 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(137, 191, 248)` looks like.

```
.text, #text, p{  
    color:rgb(137, 191, 248)  
}
```

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(137, 191, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 191, 248) }
```

Border

The CSS property to change the border of an element to XYZ 45.8906, 49.3573, 95.9152 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(137, 191, 248) }
```


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

```
.border{ border-color:rgb(137, 191, 248) }
```

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

Here you see how a box with a 4 pixel rgb(137, 191, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 191, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 191, 248);  
box-shadow:4px 4px 4px 4px rgb(137, 191,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 45.8906, 49.3573, 95.9152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 191, 248) }
```

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

```
.background{ background-color: rgb(137,  
191, 248) }
```

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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