

Converting Colors

XYZ(49.3196, 50.3386,
110.7376)

Have a look what the booklet for
XYZ(49.3196, 50.3386, 110.7376)
contains.

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Color

**XYZ(47.6188, 49.7977,
101.7099)**

Conversions

Conversions Part 1

Format	Color
Hex	8EBEFF
RGB	142, 190, 255
RGB Percent	56%, 75%, 100%
CMY	0.4431, 0.2549, 0.0000
CMYK	0.44, 0.25, 0.00, 0.00
HSL	215°, 100%, 78%
HSV	215°, 44%, 100%
XYZ	47.6188, 49.7977, 101.7099
YIQ	183.0580, -49.4730, 10.0390

Conversions

Conversions Part 2

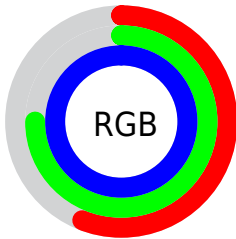
Format	Color
RYB	142, 176, 255
Decimal	9355007
CIELab	75.94, 0.80, -36.98
CIElCh	76, 36.991, 271.241
Yxy	49.7977, 0.2391, 0.2501
Android (android.graphics.Color)	4287545087 (0xFF8EBEFF)
YUV	183.0580, 35.4674, -36.0079
Hunter-Lab	70.5675, -3.0417, -36.0583

Details

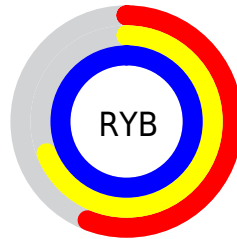
The XYZ color **47.6188, 49.7977, 101.7099** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **68.4362, 67.8398, 35.0806**, and the grayscale version is **44.8741, 47.2110, 51.4128**.

A 20% lighter version of the original color is **74.8252, 85.4109, 107.1500**, and **22.8850, 23.8998, 56.8330** is the 20% darker color. If you saturate the color by 10%, you get **40.7150, 41.7582, 100.5220**, and if you desaturate by 10%, it is **55.8460, 58.9961, 103.0517**.

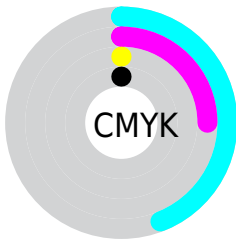
Distribution



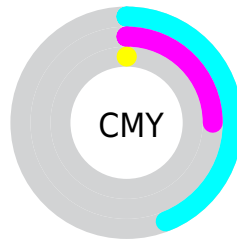
- Red (56%)
- Green (75%)
- Blue (100%)



- Red (56%)
- Yellow (69%)
- Blue (100%)



- Cyan (44%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (44%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6188, 49.7977, 101.7099 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 47.6188, 49.7977, 101.7099 by changing the saturation by 10% instead.

■ 47.6188, 49.7977,
101.7099

■ 47.6188, 49.7977,
101.7099

367.8869,
385.8743, 586.9544

■ 33.7351, 35.2527,
77.1045

■ 85.8497, 89.8751,
165.5773

■ 22.8521, 23.8576,
56.8266

■ 110.9276,
116.1762, 205.6764

■ 14.6044, 15.2280,
40.4576

140.4676,
147.1648, 251.7772

■ 8.6267, 8.9796,
27.5790

174.8351,
183.2254, 304.2981

■ 4.5537, 4.7279,
17.7723

214.3955,
224.7422, 363.6577

■ 2.0199, 2.0885,
10.6189

259.5140,

■ 0.6451, 0.6581,

272.0997, 430.2746

5.7002

310.5560,
325.6823, 504.5673

■ 0.0000, 0.0000,
2.5979

■ 0.0000, 0.0000,
0.8913

■ 47.6188, 49.7977,
101.7099

■ 47.6188, 49.7977,
101.7099

■ 40.7150, 41.7582,
100.5220

■ 55.8460, 58.9961,
103.0517

■ 35.0516, 34.8179,
99.4808

■ 65.4638, 69.3984,
104.5527

■ 30.5423, 28.9185,
98.5798

■ 76.5397, 81.0533,
106.2185

■ 27.0861, 23.9928,
97.8112

■ 89.1355, 94.0049,
108.0546

■ 24.5611, 19.9615, 95.0500, 100.0000,
97.1662 108.9000

■ 23.4463, 18.0125,
96.8488

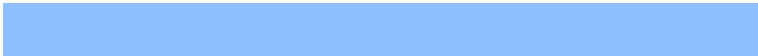
Harmonies

Analogous

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



41.2367, 49.7977, 94.7665



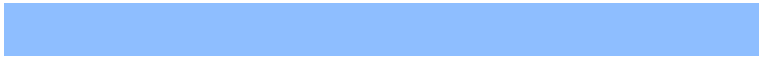
47.6188, 49.7977, 101.7099



54.5430, 49.7977, 93.5789

Triad

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



47.6188, 49.7977, 101.7099



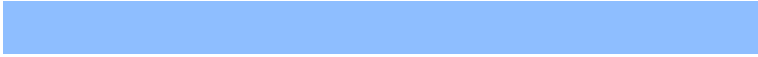
59.5911, 49.7977, 36.8219



36.6375, 49.7977, 37.9328

Complementary

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



47.6188, 49.7977, 101.7099



68.4362, 67.8398, 35.0806

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.



40.7849, 49.7977, 27.8126



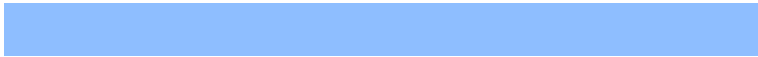
47.6188, 49.7977, 101.7099



53.9984, 49.7977, 27.2892

Square

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



47.6188, 49.7977, 101.7099



61.8563, 49.7977, 53.4034



47.0448, 49.7977, 24.4380



35.2790, 49.7977, 55.0473

Rectangle

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



47.6188, 49.7977, 101.7099



58.4364, 49.7977, 81.6242



47.0448, 49.7977, 24.4380



37.7305, 49.7977, 33.7610

Sweetspot

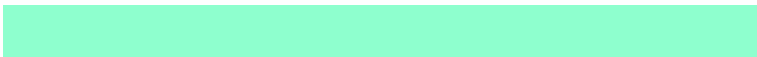
The Sweet Spot groups the original color and five complimentary colors.



47.6203, 49.7995, 101.7101



78.1040, 82.6774, 106.4495



58.0611, 81.7292, 71.1303



16.1573, 17.1142, 22.7017



0.0000, 0.0000, 0.0000



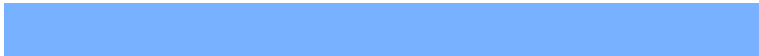
20.3446, 21.4041, 23.3091

Same Dimension

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



47.6203, 49.7995, 101.7101



41.5483, 42.7491, 100.6693



40.2166, 33.0078, 98.8592



17.6373, 18.6462, 22.9194



12.3917, 9.6931, 50.6524



1.3121, 1.1549, 4.9670

Inverse Universe

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



60.2084, 44.3254, 54.0993



55.9001, 37.8416, 46.0884



79.1656, 93.3323, 39.4357



18.3296, 18.1151, 20.3526



23.0430, 11.7065, 8.8768



2.2969, 1.1611, 1.1448

Previews

White Background



This preview shows how the XYZ color 47.6188, 49.7977, 101.7099 looks on a white background.

Color Contrast Check

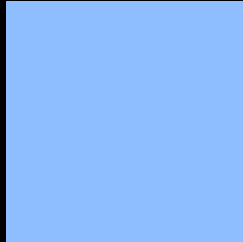
Large Text (above 18pt) WCAG AA × Fail

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 47.6188, 49.7977, 101.7099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

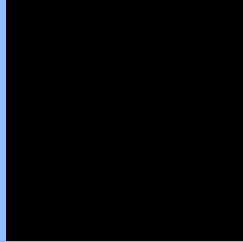
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

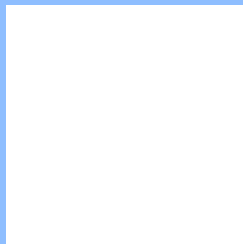
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.6188, 49.7977, 101.7099

Background



This preview shows how black text looks on a background with the XYZ color 47.6188, 49.7977, 101.7099.



This preview shows how white text looks on a background with the XYZ color 47.6188, 49.7977,

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

47.6188, 49.7977, 101.7099

Protanopia

50.7015, 49.5708, 98.1627

Deuteranopia

50.7075, 49.5003, 101.4897



Tritanopia

41.5376, 49.9890, 71.0779

Trichromacy



Original Color

47.6188, 49.7977, 101.7099

Protanomaly

49.4277, 49.5170, 99.0481

Deuteranomaly

49.5135, 49.5059, 101.5537

Tritanomaly

43.4895, 49.7557, 81.4404

Monochromacy



Original Color

47.6188, 49.7977, 101.7099

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.2160, 48.0461, 67.2123

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6188, 49.7977, 101.7099 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, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(142, 190, 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(142, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 190, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.6188, 49.7977, 101.7099 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, 190, 255) }
```


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

```
.border{ border-color:rgb(142, 190, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(142, 190,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6188, 49.7977, 101.7099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 190, 255) }
```

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

```
.background{ background-color: rgb(142,  
190, 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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