

Converting Colors

XYZ(47.4184, 49.6311, 95.3601)

Have a look what the booklet for
XYZ(47.4184, 49.6311, 95.3601)
contains.

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Color

**XYZ(47.1988, 49.4065,
95.0444)**

Conversions

Conversions Part 1

Format	Color
Hex	94BDF7
RGB	148, 189, 247
RGB Percent	58%, 74%, 97%
CMY	0.4196, 0.2588, 0.0314
CMYK	0.40, 0.23, 0.00, 0.03
HSL	215°, 86%, 77%
HSV	215°, 40%, 97%
XYZ	47.1988, 49.4065, 95.0444
YIQ	183.3530, -43.0540, 9.3460

Conversions

Conversions Part 2

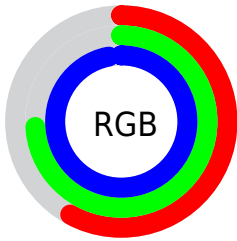
Format	Color
RYB	148, 177, 247
Decimal	9747959
CIELab	75.70, 0.67, -33.03
CIELCh	76, 33.038, 271.163
Yxy	49.4065, 0.2463, 0.2578
Android (android.graphics.Color)	4287938039 (0xFF94BDF7)
YUV	183.3530, 31.3780, -31.0046
Hunter-Lab	70.2898, -3.1463, -30.9679

Details

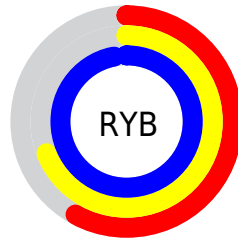
The XYZ color **47.1988, 49.4065, 95.0444** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.7755, 66.0561, 37.3020**, and the grayscale version is **45.0549, 47.4012, 51.6199**.

A 20% lighter version of the original color is **75.8792, 85.5040, 107.1124**, and **22.6126, 23.6532, 52.0889** is the 20% darker color. If you saturate the color by 10%, you get **40.2398, 41.4272, 93.8719**, and if you desaturate by 10%, it is **55.4249, 58.5021, 96.3674**.

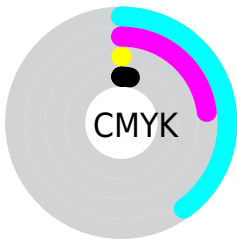
Distribution



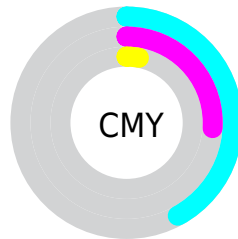
- Red (58%)
- Green (74%)
- Blue (97%)



- Red (58%)
- Yellow (69%)
- Blue (97%)



- Cyan (40%)
- Magenta (23%)
- Yellow (0%)
- Black (3%)



- Cyan (42%)
- Magenta (26%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1988, 49.4065, 95.0444 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 47.1988, 49.4065, 95.0444 by changing the saturation by 10% instead.

■ 47.1988, 49.4065,
95.0444

■ 47.1988, 49.4065,
95.0444

366.2432,
384.3404, 565.2951

■ 33.4014, 34.9420,
71.5748

■ 85.2272, 89.2949,
156.3221

■ 22.5949, 23.6182,
52.3267

■ 110.1890,
115.4876, 194.9672

■ 14.4137, 15.0507,
36.8815

139.6030,
146.3586, 239.5080

■ 8.4926, 8.8550,
24.8207

173.8345,
182.2922, 290.3629

■ 4.4662, 4.6467,
15.7257

213.2489,
223.6727, 347.9506

■ 1.9691, 2.0415,
9.1780

258.2116,

■ 0.6165, 0.6314,

270.8847, 412.6895

4.7591

309.0879,
324.3125, 484.9981

■ 0.0000, 0.0000,
2.0504

■ 0.0000, 0.0000,
0.5860

■ 47.1988, 49.4065,
95.0444

■ 47.1988, 49.4065,
95.0444

■ 40.2398, 41.4272,
93.8719

■ 55.4249, 58.5021,
96.3674

■ 34.4726, 34.5090,
92.8405

■ 64.9777, 68.7545,
97.8428

■ 29.8213, 28.5995,
91.9450

■ 75.9185, 80.2088,
99.4771

■ 26.1977, 23.6386,
91.1785

■ 88.3034, 92.9059,
101.2751

■ 23.4980, 19.5571,
90.5329

■ 93.7887, 99.4955,
102.2579

■ 21.5690, 16.2762,
90.0013

Harmonies

Analogous

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



41.5061, 49.4065, 89.0728



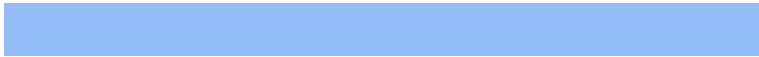
47.1988, 49.4065, 95.0444



53.3199, 49.4065, 88.1182

Triad

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



47.1988, 49.4065, 95.0444



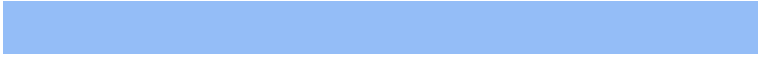
57.7729, 49.4065, 38.1638



37.3815, 49.4065, 39.1146

Complementary

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



47.1988, 49.4065, 95.0444



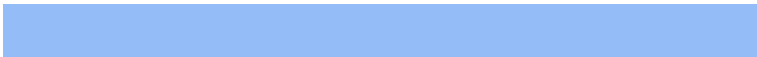
65.7755, 66.0561, 37.3020

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.



41.1260, 49.4065, 29.7913



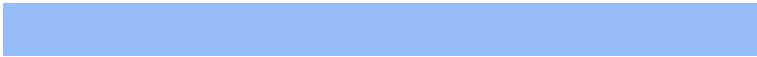
47.1988, 49.4065, 95.0444



52.8706, 49.4065, 29.3321

Square

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



47.1988, 49.4065, 95.0444



59.7429, 49.4065, 53.1137



46.7208, 49.4065, 26.6331



36.1434, 49.4065, 54.4827

Rectangle

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



47.1988, 49.4065, 95.0444



56.7413, 49.4065, 77.8347



46.7208, 49.4065, 26.6331



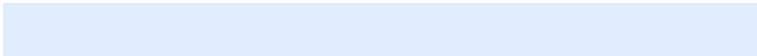
38.3718, 49.4065, 35.2979

Sweetspot

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



47.2005, 49.4084, 95.0456



79.2199, 83.7419, 106.5962



56.5851, 77.2626, 70.1657



16.6166, 17.5705, 22.7656



0.0000, 0.0000, 0.0000



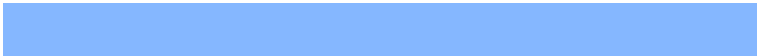
20.3446, 21.4041, 23.3091

Same Dimension

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



47.2005, 49.4084, 95.0456



44.6535, 46.1614, 101.1643



41.1387, 34.9898, 92.5820



16.1449, 17.0541, 20.9834



11.5393, 8.8724, 47.6424



1.1130, 0.9774, 4.2202

Inverse Universe

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



58.1344, 44.6297, 53.6964



58.1505, 41.3568, 49.8768



74.1194, 86.9679, 40.8986



16.7837, 16.5963, 18.6077



21.6290, 10.9950, 8.0208



1.9509, 0.9863, 0.9676

Previews

White Background



This preview shows how the XYZ color 47.1988, 49.4065, 95.0444 looks on a white background.

Color Contrast Check

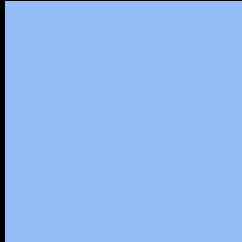
Large Text (above 18pt) WCAG AA × Fail

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 47.1988, 49.4065, 95.0444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

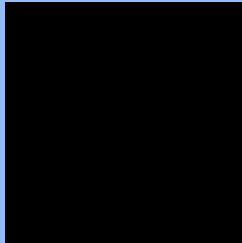
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

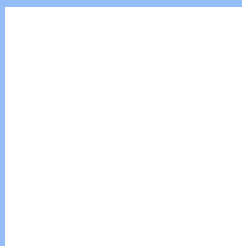
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.1988, 49.4065, 95.0444

Background



This preview shows how black text looks on a background with the XYZ color 47.1988, 49.4065, 95.0444.



This preview shows how white text looks on a background with the XYZ color 47.1988, 49.4065,

95.0444.

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

47.1988, 49.4065, 95.0444

Protanopia

49.8957, 49.2981, 91.6797

Deuteranopia

50.4543, 49.1903, 95.6424



Tritanopia

42.1453, 49.6720, 68.9944

Trichromacy



Original Color

47.1988, 49.4065, 95.0444

Protanomaly

48.7883, 49.3308, 92.5383

Deuteranomaly

49.1925, 49.1566, 95.7024

Tritanomaly

43.6798, 49.2725, 77.7294

Monochromacy



Original Color

47.1988, 49.4065, 95.0444

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.0671, 47.7002, 65.2243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1988, 49.4065, 95.0444 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(148, 189, 247)` looks like.

```
.text, #text, p{  
    color:rgb(148, 189, 247)  
}
```

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(148, 189, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 189, 247) }
```

Border

The CSS property to change the border of an element to XYZ 47.1988, 49.4065, 95.0444 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(148, 189, 247) }
```


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

```
.border{ border-color:rgb(148, 189, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 189, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 189, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 189, 247);  
box-shadow:4px 4px 4px 4px rgb(148, 189,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1988, 49.4065, 95.0444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 189, 247) }
```

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

```
.background{ background-color: rgb(148,  
189, 247) }
```

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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