

Converting Colors

XYZ(49.2973, 52.7097, 97.1998)

Have a look what the booklet for
XYZ(49.2973, 52.7097, 97.1998)
contains.

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Color

**XYZ(49.2332, 52.7090,
97.2015)**

Conversions

Conversions Part 1

Format	Color
Hex	95C4F9
RGB	149, 196, 249
RGB Percent	58%, 77%, 98%
CMY	0.4157, 0.2314, 0.0235
CMYK	0.40, 0.21, 0.00, 0.02
HSL	212°, 89%, 78%
HSV	212°, 40%, 98%
XYZ	49.2332, 52.7090, 97.2015
YIQ	187.9890, -45.0250, 6.5190

Conversions

Conversions Part 2

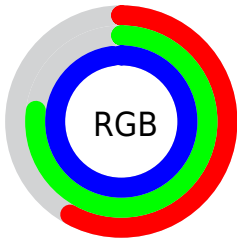
Format	Color
R _Y B	149, 181, 249
Decimal	9815289
CIE Lab	77.70, -2.34, -31.02
CIE LCh	78, 31.107, 265.689
Yxy	52.7090, 0.2472, 0.2647
Android (android.graphics.Color)	4288005369 (0xFF95C4F9)
YUV	187.9890, 30.0784, -34.1934
Hunter-Lab	72.6010, -6.0047, -28.5595

Details

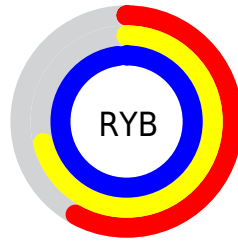
The XYZ color **49.2332, 52.7090, 97.2015** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.6134, 64.5518, 37.4370**, and the grayscale version is **47.6481, 50.1295, 54.5911**.

A 20% lighter version of the original color is **78.3140, 89.9626, 107.8447**, and **23.7016, 25.4789, 53.5379** is the 20% darker color. If you saturate the color by 10%, you get **42.3199, 44.9197, 96.0633**, and if you desaturate by 10%, it is **57.3829, 61.5266, 98.4749**.

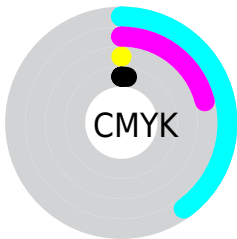
Distribution



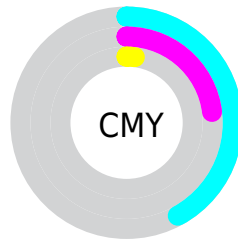
- Red (58%)
- Green (77%)
- Blue (98%)



- Red (58%)
- Yellow (71%)
- Blue (98%)



- Cyan (40%)
- Magenta (21%)
- Yellow (0%)
- Black (2%)



- Cyan (42%)
- Magenta (23%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2332, 52.7090, 97.2015 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 49.2332, 52.7090, 97.2015 by changing the saturation by 10% instead.

■ 49.2332, 52.7090,
97.2015

■ 49.2332, 52.7090,
97.2015

374.1614,
397.1677, 572.3525

■ 35.0198, 37.5705,
73.3617

■ 88.2363, 94.1760,
159.3242

■ 23.8447, 25.6495,
53.7781

■ 113.7568,
121.2734, 198.4442

■ 15.3426, 16.5616,
38.0323

143.7770,
153.1258, 243.4946

■ 9.1480, 9.9224,
25.7058

178.6623,
190.1176, 294.8940

■ 4.8958, 5.3476,
16.3799

218.7780,
232.6334, 353.0610

■ 2.2204, 2.4526,
9.6361

264.4895,

■ 0.7534, 0.8528,

281.0574, 418.4140

5.0559

316.1622,
335.7740, 491.3717

■ 0.0000, 0.0000,
2.2208

■ 0.0000, 0.0000,
0.6863

■ 49.2332, 52.7090,
97.2015

■ 49.2332, 52.7090,
97.2015

■ 42.3199, 44.9197,
96.0633

■ 57.3829, 61.5266,
98.4749

■ 36.5686, 38.1071,
95.0515

■ 66.8272, 71.4088,
99.8846

■ 31.9044, 32.2233,
94.1616

■ 77.6267, 82.3971,
101.4363

■ 28.2402, 27.2125,
93.3876

■ 89.8362, 94.5289,
103.1345

■ 25.4730, 23.0104,
92.7223

■ 94.0991, 99.6196,
103.8924

■ 23.4642, 19.5698,
92.1641

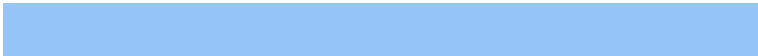
Harmonies

Analogous

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



43.8526, 52.7090, 89.3592



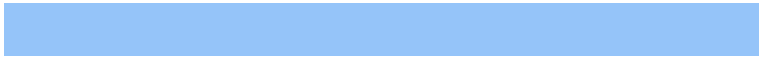
49.2332, 52.7090, 97.2015



55.2854, 52.7090, 92.7490

Triad

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



49.2332, 52.7090, 97.2015



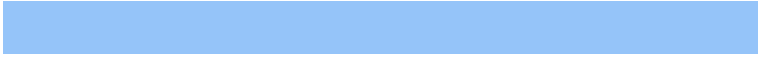
61.2703, 52.7090, 44.1868



41.1325, 52.7090, 40.6592

Complementary

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



49.2332, 52.7090, 97.2015



65.6134, 64.5518, 37.4370

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.



45.2462, 52.7090, 32.4005



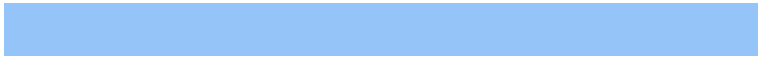
49.2332, 52.7090, 97.2015



56.9106, 52.7090, 34.1328

Square

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



49.2332, 52.7090, 97.2015



62.5501, 52.7090, 59.9194



50.9735, 52.7090, 30.2747



39.4195, 52.7090, 54.9350

Rectangle

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



49.2332, 52.7090, 97.2015



58.8460, 52.7090, 83.8033



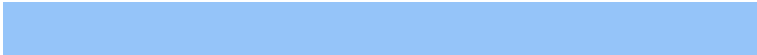
50.9735, 52.7090, 30.2747



42.2636, 52.7090, 37.2085

Sweetspot

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



49.2349, 52.7110, 97.2027



79.7174, 84.7369, 106.7620



56.7749, 78.3435, 67.1840



16.7335, 17.8042, 22.8045



0.0000, 0.0000, 0.0000



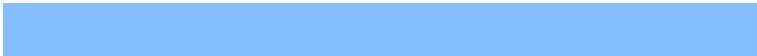
20.3446, 21.4041, 23.3091

Same Dimension

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



49.2349, 52.7110, 97.2027



46.1012, 49.0569, 101.6469



40.5486, 34.8836, 94.2195



16.9557, 17.9883, 21.9637



12.6995, 10.7545, 49.3800



1.2813, 1.2063, 4.6085

Inverse Universe

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



59.7796, 45.6218, 57.8818



58.8812, 41.6491, 53.7249



77.7770, 89.7572, 41.6610



17.5842, 17.3610, 19.6661



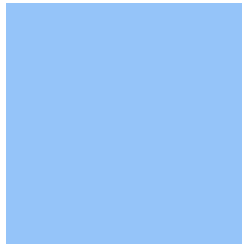
22.7021, 11.4966, 10.4057



2.1557, 1.0860, 1.2432

Previews

White Background



This preview shows how the XYZ color 49.2332, 52.7090, 97.2015 looks on a white background.

Color Contrast Check

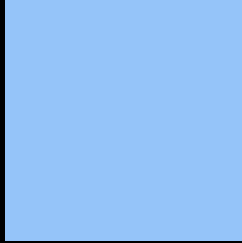
Large Text (above 18pt) WCAG AA × Fail

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 49.2332, 52.7090, 97.2015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

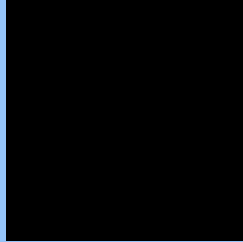
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

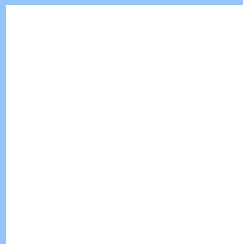
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.2332, 52.7090, 97.2015

Background



This preview shows how black text looks on a background with the XYZ color 49.2332, 52.7090, 97.2015.



This preview shows how white text looks on a background with the XYZ color 49.2332, 52.7090,

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

49.2332, 52.7090, 97.2015

Protanopia

52.6582, 52.2740, 92.9024

Deuteranopia

53.7559, 52.3965, 98.5471



Tritanopia

44.7599, 52.9657, 74.1940

Trichromacy



Original Color

49.2332, 52.7090, 97.2015

Protanomaly

51.4205, 52.5686, 94.6254

Deuteranomaly

51.8225, 52.3792, 97.8213

Tritanomaly

46.2987, 52.8950, 81.8983

Monochromacy



Original Color

49.2332, 52.7090, 97.2015

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.7192, 50.9134, 68.2850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2332, 52.7090, 97.2015 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(149, 196, 249)` looks like.

```
.text, #text, p{  
    color:rgb(149, 196, 249)  
}
```

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(149, 196, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 196, 249) }
```

Border

The CSS property to change the border of an element to XYZ 49.2332, 52.7090, 97.2015 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(149, 196, 249) }
```


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

```
.border{ border-color:rgb(149, 196, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 196, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(149, 196, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(149, 196, 249); box-shadow:4px 4px 4px 4px rgb(149, 196, 249) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2332, 52.7090, 97.2015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 196, 249) }
```

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

```
.background{ background-color: rgb(149,  
196, 249) }
```

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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