

Converting Colors

XYZ(49.9901, 57.1959, 92.3966)

Have a look what the booklet for
XYZ(49.9901, 57.1959, 92.3966)
contains.

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Color

**XYZ(49.8414, 56.9657,
92.3730)**

Conversions

Conversions Part 1

Format	Color
Hex	90CFF2
RGB	144, 207, 242
RGB Percent	56%, 81%, 95%
CMY	0.4353, 0.1882, 0.0510
CMYK	0.40, 0.14, 0.00, 0.05
HSL	201°, 79%, 76%
HSV	201°, 40%, 95%
XYZ	49.8414, 56.9657, 92.3730
YIQ	192.1530, -48.7830, -2.4710

Conversions

Conversions Part 2

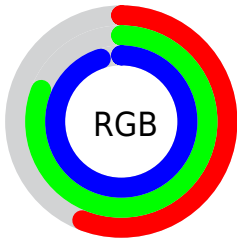
Format	Color
RYB	144, 182, 242
Decimal	9490418
CIELab	80.16, -11.28, -23.54
CIELCh	80, 26.104, 244.388
Yxy	56.9657, 0.2502, 0.2860
Android (android.graphics.Color)	4287680498 (0xFF90CFF2)
YUV	192.1530, 24.5746, -42.2302
Hunter-Lab	75.4756, -14.2073, -19.7308

Details

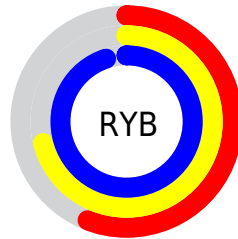
The XYZ color **49.8414, 56.9657, 92.3730** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **57.7733, 53.1322, 33.5978**, and the grayscale version is **50.0751, 52.6829, 57.3717**.

A 20% lighter version of the original color is **77.8974, 91.1575, 108.0973**, and **24.2787, 28.4023, 50.6570** is the 20% darker color. If you saturate the color by 10%, you get **44.0225, 50.9433, 91.5183**, and if you desaturate by 10%, it is **56.6845, 63.6888, 93.3110**.

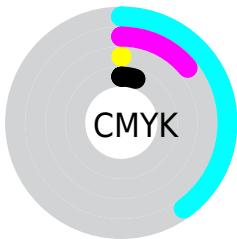
Distribution



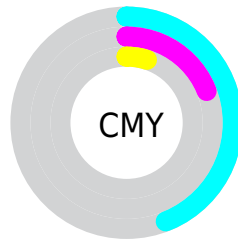
- Red (56%)
- Green (81%)
- Blue (95%)



- Red (56%)
- Yellow (71%)
- Blue (95%)



- Cyan (40%)
- Magenta (14%)
- Yellow (0%)
- Black (5%)



- Cyan (44%)
- Magenta (19%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8414, 56.9657, 92.3730 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 49.8414, 56.9657, 92.3730 by changing the saturation by 10% instead.

■ 49.8414, 56.9657,
92.3730

■ 49.8414, 56.9657,
92.3730

376.5076,
413.3208, 556.4883

■ 35.5047, 40.9777,
69.3657

■ 89.1331, 100.4151,
152.5944

■ 24.2202, 28.3017,
50.5360

■ 114.8187,
128.6454, 190.6457

■ 15.6227, 18.5532,
35.4653

145.0181,
161.7251, 234.5486

■ 9.3467, 11.3479,
23.7351

180.0965,
200.0388, 284.7219

■ 5.0269, 6.3013,
14.9269

220.4193,
243.9708, 341.5839

■ 2.2980, 3.0292,
8.6220

266.3518,

■ 0.7936, 1.1470,

293.9056, 405.5533

4.4020

318.2595,
350.2274, 477.0486

■ 0.0000, 0.0177,
1.8484

■ 0.0000, 0.0000,
0.4596

■ 49.8414, 56.9657,
92.3730

■ 49.8414, 56.9657,
92.3730

■ 44.0225, 50.9433,
91.5183

■ 56.6845, 63.6888,
93.3110

■ 39.1620, 45.5812,
90.7395

■ 64.6013, 71.1369,
94.3314

■ 35.1947, 40.8443,
90.0342

■ 73.6446, 79.3410,
95.4383

■ 32.0440, 36.6902,
89.3985

■ 83.8617, 88.3283,
96.6345

■ 29.6186, 33.0690,
88.8273

■ 91.5202, 96.1768,
97.7458

■ 27.8445, 30.0455,
88.3372

■ 93.0272, 99.1909,
98.2481

Harmonies

Analogous

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



46.1334, 56.9657, 80.0880



49.8414, 56.9657, 92.3730



54.9307, 56.9657, 96.0632

Triad

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



49.8414, 56.9657, 92.3730



64.9979, 56.9657, 59.8113



48.5695, 56.9657, 40.8541

Complementary

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



49.8414, 56.9657, 92.3730



57.7733, 53.1322, 33.5978

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.



53.3653, 56.9657, 37.1603



49.8414, 56.9657, 92.3730



63.0325, 56.9657, 46.9068

Square

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



49.8414, 56.9657, 92.3730



63.9026, 56.9657, 75.5720



58.6878, 56.9657, 39.1806



45.4335, 56.9657, 50.2038

Rectangle

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



49.8414, 56.9657, 92.3730



58.4790, 56.9657, 92.7184



58.6878, 56.9657, 39.1806



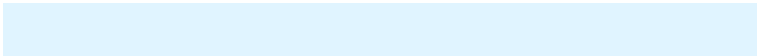
50.0291, 56.9657, 38.9862

Sweetspot

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



49.8432, 56.9679, 92.3743



81.2869, 87.8759, 107.2852



51.3212, 72.6613, 53.5994



17.1030, 18.5432, 22.9277



0.0000, 0.0000, 0.0000



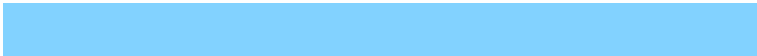
20.3446, 21.4041, 23.3091

Same Dimension

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



49.8432, 56.9679, 92.3743



50.4032, 58.2491, 103.1944



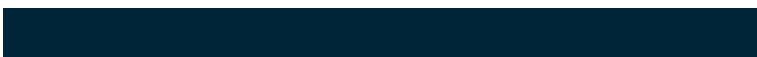
39.8768, 37.0351, 89.0522



15.7449, 16.9239, 20.1584



15.0919, 16.4080, 47.4995



1.3491, 1.5522, 3.9827

Inverse Universe

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



57.8552, 43.3304, 64.3480



60.9091, 41.9105, 66.0982



69.2045, 75.9946, 37.4082



16.2007, 15.9300, 18.6130



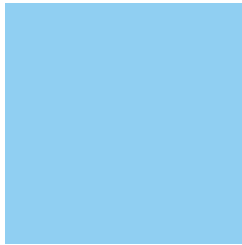
22.9433, 11.4498, 18.1499



1.9559, 0.9714, 1.7587

Previews

White Background



This preview shows how the XYZ color 49.8414, 56.9657, 92.3730 looks on a white background.

Color Contrast Check

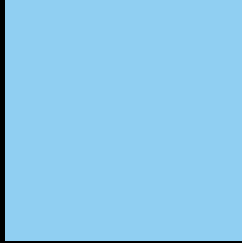
Large Text (above 18pt) WCAG AA × Fail

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 49.8414, 56.9657, 92.3730 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 49.8414, 56.9657, 92.3730

Background



This preview shows how black text looks on a background with the XYZ color 49.8414, 56.9657, 92.3730.



This preview shows how white text looks on a background with the XYZ color 49.8414, 56.9657,

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

49.8414, 56.9657, 92.3730

Protanopia

55.9705, 56.4252, 86.5384

Deuteranopia

58.0214, 56.6455, 94.2618



Tritanopia

47.5893, 57.1596, 80.4762

Trichromacy



Original Color

49.8414, 56.9657, 92.3730

Protanomaly

53.3205, 56.3658, 88.9583

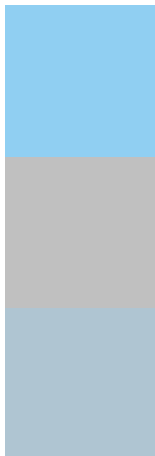
Deuteranomaly

54.6571, 56.6086, 93.6338

Tritanomaly

48.3505, 57.0898, 84.8150

Monochromacy



Original Color

49.8414, 56.9657, 92.3730

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.2783, 53.6996, 68.7406

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8414, 56.9657, 92.3730 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(144, 207, 242)` looks like.

```
.text, #text, p{  
    color:rgb(144, 207, 242)  
}
```

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(144, 207, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 207, 242) }
```

Border

The CSS property to change the border of an element to XYZ 49.8414, 56.9657, 92.3730 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(144, 207, 242) }
```


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

```
.border{ border-color:rgb(144, 207, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 207, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 207, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 207, 242);  
box-shadow:4px 4px 4px 4px rgb(144, 207,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8414, 56.9657, 92.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 207, 242) }
```

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

```
.background{ background-color: rgb(144,  
207, 242) }
```

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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