

Converting Colors

XYZ(49.5412, 56.7287, 90.4953)

Have a look what the booklet for
XYZ(49.5412, 56.7287, 90.4953)
contains.

| | |
|------------------------------------------------|----|
| XYZ(49.7181, 56.9367, 90.8075) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(49.7181, 56.9367,
90.8075)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|-----------------------------|
| Hex | 91CFF0 |
| RGB | 145, 207, 240 |
| RGB Percent | 57%, 81%, 94% |
| CMY | 0.4314, 0.1882, 0.0588 |
| CMYK | 0.40, 0.14, 0.00, 0.06 |
| HSL | 201°, 76%, 75% |
| HSV | 201°, 40%, 94% |
| XYZ | 49.7181, 56.9367, 90.8075 |
| YIQ | 192.2240, -47.5450, -2.8810 |

Conversions

Conversions Part 2

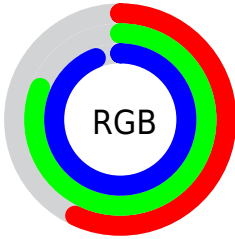
| Format | Color |
|-------------------------------------|--------------------------------------------------------------|
| RYB | 145, 183, 240 |
| Decimal | 9555952 |
| CIELab | 80.14, -11.55, -22.49 |
| CIELCh | 80, 25.282, 242.825 |
| Yxy | 56.9367, 0.2518, 0.2883 |
| Android (android.graphics.Color) | 4287746032 (0xFF91CFF0) |
| YUV | 192.2240, 23.5536, -41.4154 |
| Hunter-Lab | 75.4564, -14.4354, -18.5327 |

Details

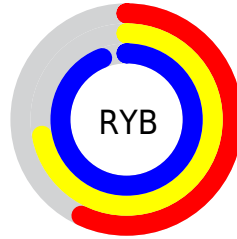
The XYZ color **49.7181, 56.9367, 90.8075** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **56.9676, 52.4115, 33.9038**, and the grayscale version is **50.1219, 52.7322, 57.4253**.

A 20% lighter version of the original color is **78.1671, 91.2966, 108.1099**, and **24.1628, 28.3670, 49.5493** is the 20% darker color. If you saturate the color by 10%, you get **43.9610, 51.0504, 89.9758**, and if you desaturate by 10%, it is **56.4787, 63.5012, 91.7193**.

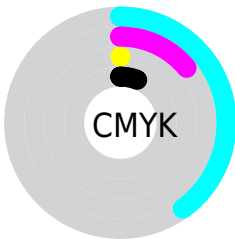
Distribution



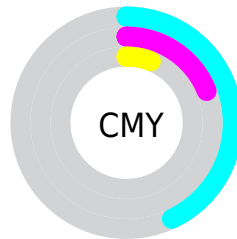
- Red (57%)
- Green (81%)
- Blue (94%)



- Red (57%)
- Yellow (72%)
- Blue (94%)



- Cyan (40%)
- Magenta (14%)
- Yellow (0%)
- Black (6%)



- Cyan (43%)
- Magenta (19%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7181, 56.9367, 90.8075 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 49.7181, 56.9367, 90.8075 by changing the saturation by 10% instead.

■ 49.7181, 56.9367,
90.8075

■ 49.7181, 56.9367,
90.8075

376.0328,
413.2121, 551.2919

■ 35.4063, 40.9544,
68.0731

■ 88.9514, 100.3728,
150.4048

■ 24.1440, 28.2835,
49.4901

■ 114.6036,
128.5954, 188.1049

■ 15.5658, 18.5395,
34.6401

144.7667,
161.6670, 231.6305

■ 9.3063, 11.3380,
23.1044

179.8061,
199.9718, 281.4003

■ 5.0002, 6.2946,
14.4646

220.0870,
243.8944, 337.8328

■ 2.2822, 3.0251,
8.3021

265.9748,

■ 0.7855, 1.1448,

293.8190, 401.3465

4.1983

317.8350,
350.1301, 472.3600

■ 0.0000, 0.0159,
1.7348

■ 0.0000, 0.0000,
0.3844

■ 49.7181, 56.9367,
90.8075

■ 49.7181, 56.9367,
90.8075

■ 43.9610, 51.0504,
89.9758

■ 56.4787, 63.5012,
91.7193

■ 39.1437, 45.8032,
89.2169

■ 64.2907, 70.7671,
92.7100

■ 35.2030, 41.1614,
88.5286

■ 73.2054, 78.7645,
93.7838

■ 32.0651, 37.0843,
87.9070

■ 83.2689, 87.5194,
94.9432

■ 29.6424, 33.5242,
87.3475

■ 90.7472, 95.1090,
96.0140

■ 27.7952, 30.4064,
86.8431

■ 92.7284, 99.0713,
96.6744

■ 27.7238, 30.2822,
86.8229

Harmonies

Analogous

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



46.2131, 56.9367, 78.6770



49.7181, 56.9367, 90.8075



54.6063, 56.9367, 94.8602

Triad

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



49.7181, 56.9367, 90.8075



64.6240, 56.9367, 60.6067



48.9232, 56.9367, 41.0826

Complementary

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



49.7181, 56.9367, 90.8075



56.9676, 52.4115, 33.9038

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.



53.6299, 56.9367, 37.7600



49.7181, 56.9367, 90.8075



62.8735, 56.9367, 47.8543

Square

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



49.7181, 56.9367, 90.8075



63.4146, 56.9367, 75.8723



58.7672, 56.9367, 40.0289



45.7750, 56.9367, 49.9212

Rectangle

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



49.7181, 56.9367, 90.8075



58.0504, 56.9367, 91.9860



58.7672, 56.9367, 40.0289



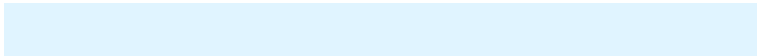
50.3647, 56.9367, 39.3531

Sweetspot

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



49.7199, 56.9389, 90.8088



81.3770, 88.0561, 107.3152



50.7412, 71.5022, 52.5497



17.1242, 18.5857, 22.9348



0.0000, 0.0000, 0.0000



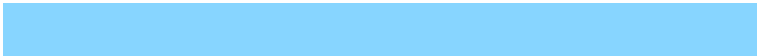
20.3446, 21.4041, 23.3091

Same Dimension

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



49.7199, 56.9389, 90.8088



51.9531, 60.1580, 103.4812



40.1226, 37.7444, 87.6097



15.7584, 16.9508, 20.1629



15.3054, 16.8350, 47.5707



1.3659, 1.5857, 3.9883

Inverse Universe

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



57.3246, 43.2828, 64.3669



61.9821, 43.4527, 68.3174



67.7477, 73.9719, 37.4972



16.2075, 15.9327, 18.6488



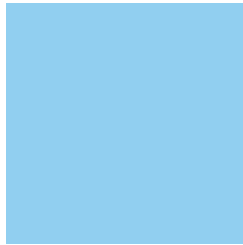
23.0511, 11.4929, 18.7173



1.9644, 0.9748, 1.8032

Previews

White Background



This preview shows how the XYZ color 49.7181, 56.9367, 90.8075 looks on a white background.

Color Contrast Check

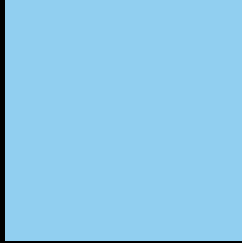
Large Text (above 18pt) WCAG AA × Fail

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 49.7181, 56.9367, 90.8075 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 49.7181, 56.9367, 90.8075

Background



This preview shows how black text looks on a background with the XYZ color 49.7181, 56.9367, 90.8075.

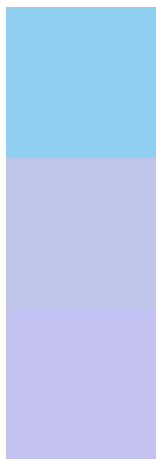


This preview shows how white text looks on a background with the XYZ color 49.7181, 56.9367,

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

49.7181, 56.9367, 90.8075

Protanopia

55.9338, 56.4394, 85.0367

Deuteranopia

57.9751, 56.6567, 92.6742



Tritanopia

47.5124, 56.7546, 80.4021

Trichromacy



Original Color

49.7181, 56.9367, 90.8075

Protanomaly

53.2502, 56.3634, 87.4295

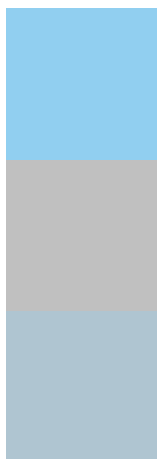
Deuteranomaly

54.5819, 56.6048, 92.0534

Tritanomaly

48.1350, 56.6321, 83.9954

Monochromacy



Original Color

49.7181, 56.9367, 90.8075

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.1541, 53.6499, 68.0864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7181, 56.9367, 90.8075 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(145, 207, 240)` looks like.

```
.text, #text, p{  
    color:rgb(145, 207, 240)  
}
```

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(145, 207, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 207, 240) }
```

Border

The CSS property to change the border of an element to XYZ 49.7181, 56.9367, 90.8075 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(145, 207, 240) }
```


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

```
.border{ border-color:rgb(145, 207, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 207, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 207, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 207, 240);  
box-shadow:4px 4px 4px 4px rgb(145, 207,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7181, 56.9367, 90.8075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 207, 240) }
```

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

```
.background{ background-color: rgb(145,  
207, 240) }
```

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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