

Converting Colors

XYZ(46.1887, 49.7298, 86.6250)

Have a look what the booklet for
XYZ(46.1887, 49.7298, 86.6250)
contains.

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Color

**XYZ(46.1655, 49.7073,
86.5182)**

Conversions

Conversions Part 1

Format	Color
Hex	95BFEC
RGB	149, 191, 236
RGB Percent	58%, 75%, 93%
CMY	0.4157, 0.2510, 0.0745
CMYK	0.37, 0.19, 0.00, 0.07
HSL	211°, 70%, 75%
HSV	211°, 37%, 93%
XYZ	46.1655, 49.7073, 86.5182
YIQ	183.5720, -39.4770, 5.0910

Conversions

Conversions Part 2

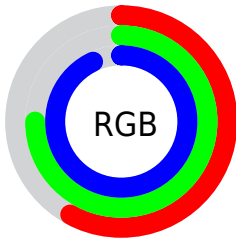
Format	Color
RYB	149, 177, 236
Decimal	9813996
CIELab	75.89, -3.04, -26.81
CIELCh	76, 26.987, 263.530
Yxy	49.7073, 0.2531, 0.2725
Android (android.graphics.Color)	4288004076 (0xFF95BFEC)
YUV	183.5720, 25.8470, -30.3196
Hunter-Lab	70.5034, -6.4995, -23.4053

Details

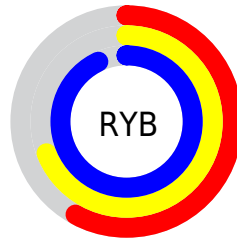
The XYZ color **46.1655, 49.7073, 86.5182** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.3096, 58.5872, 36.6177**, and the grayscale version is **45.2031, 47.5572, 51.7897**.

A 20% lighter version of the original color is **76.4876, 86.7207, 107.3152**, and **22.0460, 23.9051, 46.6322** is the 20% darker color. If you saturate the color by 10%, you get **39.7364, 42.6054, 85.4871**, and if you desaturate by 10%, it is **53.6921, 57.7065, 87.6664**.

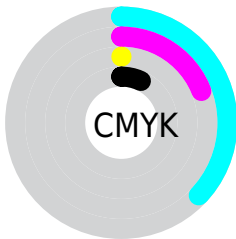
Distribution



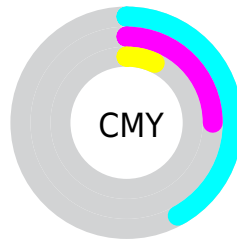
- Red (58%)
- Green (75%)
- Blue (93%)



- Red (58%)
- Yellow (69%)
- Blue (93%)



- Cyan (37%)
- Magenta (19%)
- Yellow (0%)
- Black (7%)



- Cyan (42%)
- Magenta (25%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1655, 49.7073, 86.5182 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 46.1655, 49.7073, 86.5182 by changing the saturation by 10% instead.

■ 46.1655, 49.7073,
86.5182

■ 46.1655, 49.7073,
86.5182

362.1784,
385.5202, 536.9134

■ 32.5816, 35.1809,
64.5392

■ 83.6930, 89.7410,
144.3853

■ 21.9638, 23.8022,
46.6386

■ 108.3673,
116.0172, 181.1106

■ 13.9468, 15.1870,
32.3977

137.4691,
146.9786, 223.5883

■ 8.1651, 8.9507,
21.3981

171.3638,
183.0099, 272.2371

■ 4.2535, 4.7091,
13.2213

210.4167,
224.4953, 327.4755

■ 1.8465, 2.0776,
7.4486

254.9932,

■ 0.5455, 0.6520,

271.8192, 389.7219

3.6615

305.4587,
325.3660, 459.3951

■ 0.0000, 0.0000,
1.4416

■ 0.0000, 0.0000,
0.1738

■ 46.1655, 49.7073,
86.5182

■ 46.1655, 49.7073,
86.5182

■ 39.7364, 42.6054,
85.4871

■ 53.6921, 57.7065,
87.6664

■ 34.3415, 36.3570,
84.5654

■ 62.3652, 66.6327,
88.9322

■ 29.9181, 30.9225,
83.7496

■ 72.2362, 76.5211,
90.3206

■ 26.3937, 26.2560,
83.0346

■ 83.3523, 87.4030,
91.8351

■ 23.6843, 22.3049,
82.4148

■ 91.2024, 96.9601,
93.2661

■ 21.6838, 19.0052,
81.8833

■ 92.1405, 98.8362,
93.5788

■ 21.1505, 18.0761,
81.7321

Harmonies

Analogous

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



41.7344, 49.7073, 79.5502



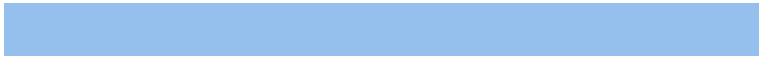
46.1655, 49.7073, 86.5182



51.2067, 49.7073, 83.6472

Triad

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



46.1655, 49.7073, 86.5182



56.6642, 49.7073, 43.8147



39.8969, 49.7073, 39.2915

Complementary

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



46.1655, 49.7073, 86.5182



59.3096, 58.5872, 36.6177

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.



43.4937, 49.7073, 32.5190



46.1655, 49.7073, 86.5182



53.2212, 49.7073, 34.7888

Square

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



46.1655, 49.7073, 86.5182



57.5054, 49.7073, 57.2993



48.3418, 49.7073, 31.0302



38.2845, 49.7073, 51.0659

Rectangle

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



46.1655, 49.7073, 86.5182



54.2137, 49.7073, 76.7532



48.3418, 49.7073, 31.0302



40.9012, 49.7073, 36.4452

Sweetspot

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



46.1671, 49.7092, 86.5194



81.0178, 86.1529, 106.9668



52.1231, 70.2744, 61.8280



16.9977, 18.0963, 22.8470



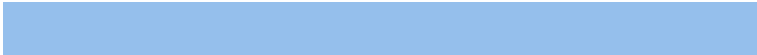
0.0000, 0.0000, 0.0000



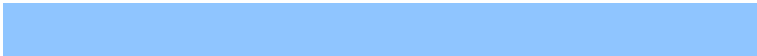
20.3446, 21.4041, 23.3091

Same Dimension

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



46.1671, 49.7092, 86.5194



49.3019, 52.9593, 102.2314



38.5498, 34.0793, 83.9040



14.8313, 15.7491, 19.1804



11.7868, 10.2206, 45.0945



1.0215, 0.9944, 3.5730

Inverse Universe

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



54.7448, 43.0908, 54.7242



61.1067, 44.8746, 58.2445



69.5338, 79.7475, 40.1632



15.3684, 15.1752, 17.2254



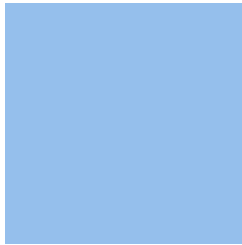
20.8047, 10.5246, 10.0389



1.6821, 0.8458, 1.0433

Previews

White Background



This preview shows how the XYZ color 46.1655, 49.7073, 86.5182 looks on a white background.

Color Contrast Check

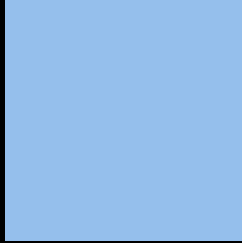
Large Text (above 18pt) WCAG AA × Fail

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 46.1655, 49.7073, 86.5182 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

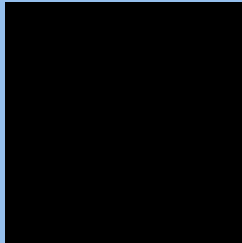
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

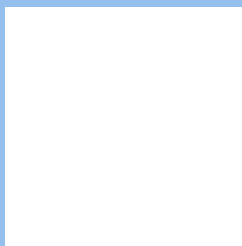
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.1655, 49.7073, 86.5182

Background



This preview shows how black text looks on a background with the XYZ color 46.1655, 49.7073, 86.5182.



This preview shows how white text looks on a background with the XYZ color 46.1655, 49.7073,

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

46.1655, 49.7073, 86.5182

Protanopia

49.4520, 49.5814, 82.5651

Deuteranopia

50.7262, 49.5050, 87.7708



Tritanopia

42.6007, 49.5730, 68.9513

Trichromacy



Original Color

46.1655, 49.7073, 86.5182

Protanomaly

48.2042, 49.5308, 84.1106

Deuteranomaly

48.7813, 49.4477, 87.0941

Tritanomaly

43.8871, 49.7706, 75.0037

Monochromacy



Original Color

46.1655, 49.7073, 86.5182

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.3444, 48.5104, 63.4734

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1655, 49.7073, 86.5182 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, 191, 236)` looks like.

```
.text, #text, p{  
    color:rgb(149, 191, 236)  
}
```

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, 191, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 191, 236) }
```

Border

The CSS property to change the border of an element to XYZ 46.1655, 49.7073, 86.5182 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, 191, 236) }
```


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

```
.border{ border-color:rgb(149, 191, 236) }
```

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

Here you see how a box with a 4 pixel rgb(149, 191, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 191, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 191, 236);  
box-shadow:4px 4px 4px 4px rgb(149, 191,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1655, 49.7073, 86.5182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 191, 236) }
```

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

```
.background{ background-color: rgb(149,  
191, 236) }
```

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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