

Converting Colors

XYZ(46.3072, 49.6966, 85.5315)

Have a look what the booklet for
XYZ(46.3072, 49.6966, 85.5315)
contains.

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Color

**XYZ(46.3887, 49.8391,
85.7722)**

Conversions

Conversions Part 1

Format	Color
Hex	97BFEB
RGB	151, 191, 235
RGB Percent	59%, 75%, 92%
CMY	0.4078, 0.2510, 0.0784
CMYK	0.36, 0.19, 0.00, 0.08
HSL	211°, 68%, 76%
HSV	211°, 36%, 92%
XYZ	46.3887, 49.8391, 85.7722
YIQ	184.0560, -37.9640, 5.2040

Conversions

Conversions Part 2

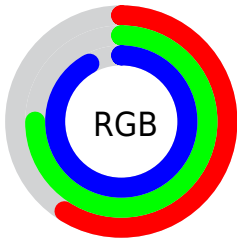
Format	Color
RYB	151, 178, 235
Decimal	9945067
CIELab	75.97, -2.76, -26.14
CIELCh	76, 26.286, 263.977
Yxy	49.8391, 0.2549, 0.2738
Android (android.graphics.Color)	4288135147 (0xFF97BFEB)
YUV	184.0560, 25.1154, -28.9901
Hunter-Lab	70.5968, -6.2533, -22.6171

Details

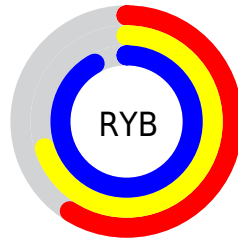
The XYZ color **46.3887, 49.8391, 85.7722** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.3629, 58.9276, 37.5251**, and the grayscale version is **45.4729, 47.8410, 52.0989**.

A 20% lighter version of the original color is **77.0429, 87.0069, 107.3412**, and **22.1549, 23.9730, 46.1074** is the 20% darker color. If you saturate the color by 10%, you get **39.8820, 42.6668, 84.7316**, and if you desaturate by 10%, it is **53.9935, 57.9146, 86.9310**.

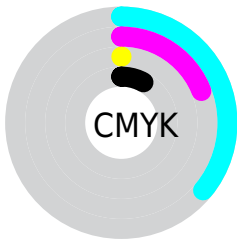
Distribution



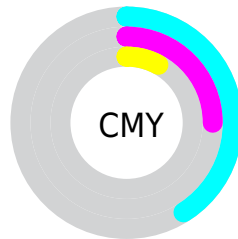
- Red (59%)
- Green (75%)
- Blue (92%)



- Red (59%)
- Yellow (70%)
- Blue (92%)



- Cyan (36%)
- Magenta (19%)
- Yellow (0%)
- Black (8%)



- Cyan (41%)
- Magenta (25%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3887, 49.8391, 85.7722 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 46.3887, 49.8391, 85.7722 by changing the saturation by 10% instead.

■ 46.3887, 49.8391,
85.7722

■ 46.3887, 49.8391,
85.7722

363.0590,
386.0364, 534.3909

■ 32.7586, 35.2856,
63.9258

■ 84.0247, 89.9364,
143.3353

■ 22.0999, 23.8829,
46.1448

■ 108.7614,
116.2490, 179.8891

■ 14.0473, 15.2468,
32.0106

137.9309,
147.2501, 222.1824

■ 8.2355, 8.9928,
21.1047

171.8986,
183.3240, 270.6337

■ 4.2991, 4.7365,
13.0086

211.0299,
224.8552, 325.6617

■ 1.8727, 2.0935,
7.3037

255.6902,

■ 0.5609, 0.6610,

272.2281, 387.6849

3.5714

306.2447,
325.8270, 457.1218

■ 0.0000, 0.0000,
1.3933

■ 0.0000, 0.0000,
0.1365

■ 46.3887, 49.8391,
85.7722

■ 46.3887, 49.8391,
85.7722

■ 39.8820, 42.6668,
84.7316

■ 53.9935, 57.9146,
86.9310

■ 34.4112, 36.3541,
83.8015

■ 62.7444, 66.9228,
88.2085

■ 29.9146, 30.8619,
82.9784

■ 72.6926, 76.8987,
89.6097

■ 26.3214, 26.1447,
82.2573

■ 83.8842, 87.8734,
91.1382

■ 23.5496, 22.1511,
81.6325

■ 91.2189, 97.2249,
92.5567

■ 21.4993, 18.8198,
81.0976

■ 91.9956, 98.7782,
92.8155

■ 20.7796, 17.5663,
80.8936

Harmonies

Analogous

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



42.0420, 49.8391, 79.1503



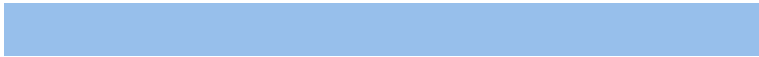
46.3887, 49.8391, 85.7722



51.3040, 49.8391, 82.8483

Triad

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



46.3887, 49.8391, 85.7722



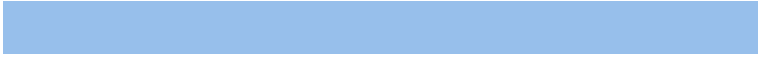
56.5128, 49.8391, 44.0216



40.1507, 49.8391, 39.8919

Complementary

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



46.3887, 49.8391, 85.7722



59.3629, 58.9276, 37.5251

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.



43.6435, 49.8391, 33.1542



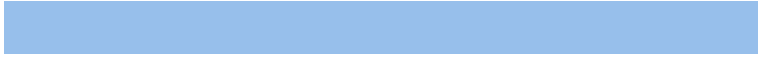
46.3887, 49.8391, 85.7722



53.1313, 49.8391, 35.2351

Square

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



46.3887, 49.8391, 85.7722



57.3733, 49.8391, 57.1475



48.3662, 49.8391, 31.6093



38.6038, 49.8391, 51.4836

Rectangle

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



46.3887, 49.8391, 85.7722



54.2196, 49.8391, 76.0956



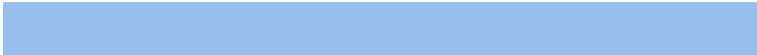
48.3662, 49.8391, 31.6093



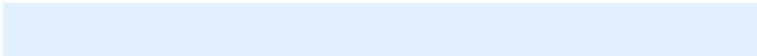
41.1240, 49.8391, 37.0704

Sweetspot

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



46.3903, 49.8410, 85.7734



80.9635, 86.0442, 106.9487



52.2547, 69.9101, 62.0161



16.9847, 18.0704, 22.8427



0.0000, 0.0000, 0.0000



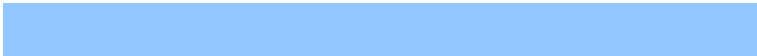
20.3446, 21.4041, 23.3091

Same Dimension

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



46.3903, 49.8410, 85.7734



49.8838, 53.4615, 102.2977



39.0873, 34.8470, 83.2641



14.8229, 15.7322, 19.1776



11.6907, 10.0285, 45.0625



1.0138, 0.9790, 3.5704

Inverse Universe

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



54.7329, 43.5585, 54.8152



61.5620, 45.6751, 58.7353



69.0957, 79.0768, 40.9013



15.3642, 15.1735, 17.2030



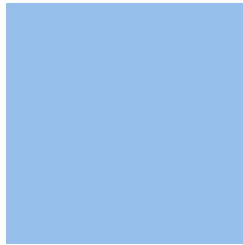
20.7562, 10.5052, 9.7837



1.6782, 0.8442, 1.0228

Previews

White Background



This preview shows how the XYZ color 46.3887, 49.8391, 85.7722 looks on a white background.

Color Contrast Check

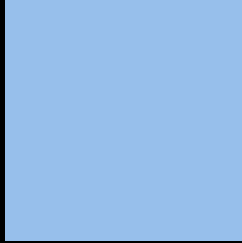
Large Text (above 18pt) WCAG AA × Fail

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 46.3887, 49.8391, 85.7722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

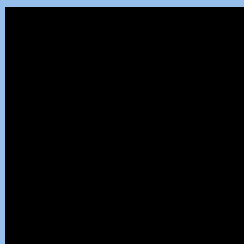
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

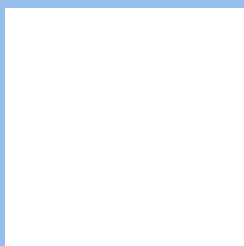
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3887, 49.8391, 85.7722

Background



This preview shows how black text looks on a background with the XYZ color 46.3887, 49.8391, 85.7722.



This preview shows how white text looks on a background with the XYZ color 46.3887, 49.8391,

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

46.3887, 49.8391, 85.7722

Protanopia

49.6773, 49.6976, 82.5756

Deuteranopia

50.8100, 49.5651, 87.0098



Tritanopia

42.9500, 49.7531, 68.9676

Trichromacy



Original Color

46.3887, 49.8391, 85.7722

Protanomaly

48.2722, 49.5823, 83.3701

Deuteranomaly

49.0614, 49.6090, 86.3466

Tritanomaly

44.2427, 49.9539, 75.0204

Monochromacy



Original Color

46.3887, 49.8391, 85.7722

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

45.5631, 48.6231, 63.4837

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3887, 49.8391, 85.7722 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(151, 191, 235)` looks like.

```
.text, #text, p{  
    color:rgb(151, 191, 235)  
}
```

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(151, 191, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 191, 235) }
```

Border

The CSS property to change the border of an element to XYZ 46.3887, 49.8391, 85.7722 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(151, 191, 235) }
```


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

```
.border{ border-color:rgb(151, 191, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 191, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 191, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 191, 235);  
box-shadow:4px 4px 4px 4px rgb(151, 191,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3887, 49.8391, 85.7722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 191, 235) }
```

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

```
.background{ background-color: rgb(151,  
191, 235) }
```

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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