

Converting Colors

XYZ(46.6504, 50.4694, 86.7260)

Have a look what the booklet for
XYZ(46.6504, 50.4694, 86.7260)
contains.

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Color

**XYZ(46.7880, 50.6801,
86.6731)**

Conversions

Conversions Part 1

Format	Color
Hex	96C1EC
RGB	150, 193, 236
RGB Percent	59%, 76%, 93%
CMY	0.4117, 0.2431, 0.0745
CMYK	0.36, 0.18, 0.00, 0.07
HSL	210°, 69%, 76%
HSV	210°, 36%, 93%
XYZ	46.7880, 50.6801, 86.6731
YIQ	185.0450, -39.4310, 4.2570

Conversions

Conversions Part 2

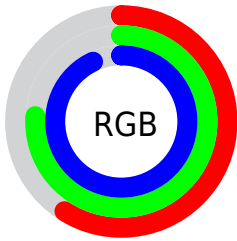
Format	Color
RYB	150, 179, 236
Decimal	9880044
CIELab	76.48, -3.85, -25.90
CIELCh	76, 26.183, 261.546
Yxy	50.6801, 0.2541, 0.2752
Android (android.graphics.Color)	4288070124 (0xFF96C1EC)
YUV	185.0450, 25.1208, -30.7345
Hunter-Lab	71.1900, -7.2673, -22.3520

Details

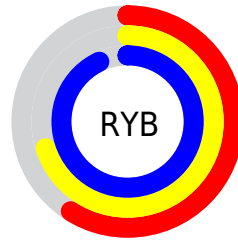
The XYZ color **46.7880, 50.6801, 86.6731** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **59.1681, 58.1759, 36.9664**, and the grayscale version is **46.0209, 48.4176, 52.7267**.

A 20% lighter version of the original color is **77.3793, 88.0932, 107.5331**, and **22.4402, 24.5383, 46.7336** is the 20% darker color. If you saturate the color by 10%, you get **40.3697, 43.6532, 85.6560**, and if you desaturate by 10%, it is **54.2923, 58.5780, 87.8029**.

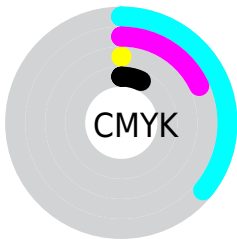
Distribution



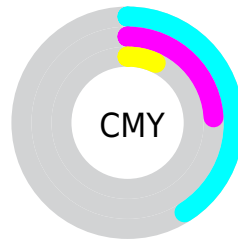
- Red (59%)
- Green (76%)
- Blue (93%)



- Red (59%)
- Yellow (70%)
- Blue (93%)



- Cyan (36%)
- Magenta (18%)
- Yellow (0%)
- Black (7%)



- Cyan (41%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7880, 50.6801, 86.6731 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 46.7880, 50.6801, 86.6731 by changing the saturation by 10% instead.

■ 46.7880, 50.6801,
86.6731

■ 46.7880, 50.6801,
86.6731

364.6307,
389.3196, 537.4364

■ 33.0753, 35.9541,
64.6666

■ 84.6178, 91.1817,
144.6033

■ 22.3437, 24.3987,
46.7412

■ 109.4656,
117.7261, 181.3640

■ 14.2277, 15.6297,
32.4782

138.7558,
148.9788, 223.8800

■ 8.3619, 9.2625,
21.4592

172.8538,
185.3241, 272.5696

■ 4.3812, 4.9128,
13.2656

212.1249,
227.1464, 327.8516

■ 1.9199, 2.1962,
7.4788

256.9346,

■ 0.5884, 0.7179,

274.8302, 390.1443

3.6803

307.6481,
328.7598, 459.8664

■ 0.0000, 0.0000,
1.4517

■ 0.0000, 0.0000,
0.1815

■ 46.7880, 50.6801,
86.6731

■ 46.7880, 50.6801,
86.6731

■ 40.3697, 43.6532,
85.6560

■ 54.2923, 58.5780,
87.8029

■ 34.9747, 37.4546,
84.7438

■ 62.9306, 67.3754,
89.0457

■ 30.5413, 32.0460,
83.9336

■ 72.7541, 77.1064,
90.4062

■ 26.9980, 27.3830,
83.2202

■ 83.8090, 87.8013,
91.8879

■ 24.2620, 23.4147,
82.5985

■ 91.1917, 96.9386,
93.2625

■ 22.2303, 20.0798,
82.0619

■ 92.1405, 98.8362,
93.5787

■ 21.6193, 19.0138,
81.8883

Harmonies

Analogous

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



42.5051, 50.6801, 79.3239



46.7880, 50.6801, 86.6731



51.7405, 50.6801, 84.5235

Triad

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



46.7880, 50.6801, 86.6731



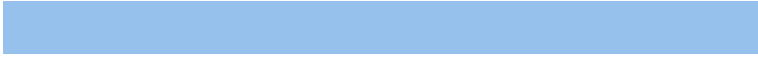
57.5485, 50.6801, 45.7889



41.1128, 50.6801, 39.9449

Complementary

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



46.7880, 50.6801, 86.6731



59.1681, 58.1759, 36.9664

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.



44.7675, 50.6801, 33.5635



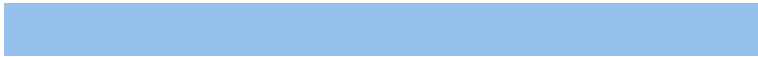
46.7880, 50.6801, 86.6731



54.3169, 50.6801, 36.5147

Square

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



46.7880, 50.6801, 86.6731



58.1814, 50.6801, 59.2754



49.5788, 50.6801, 32.4250



39.3783, 50.6801, 51.2815

Rectangle

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



46.7880, 50.6801, 86.6731



54.7431, 50.6801, 78.1288



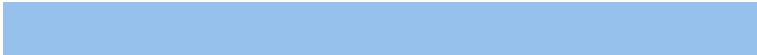
49.5788, 50.6801, 32.4250



42.1451, 50.6801, 37.2355

Sweetspot

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



46.7896, 50.6821, 86.6743



81.1608, 86.4387, 107.0145



52.0410, 70.2627, 60.4385



17.0317, 18.1644, 22.8584



0.0000, 0.0000, 0.0000



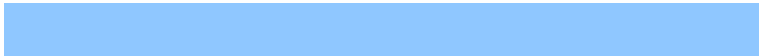
20.3446, 21.4041, 23.3091

Same Dimension

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



46.7896, 50.6821, 86.6743



49.7438, 53.8432, 102.3787



38.8560, 34.8149, 84.0298



14.8535, 15.7934, 19.1878



12.0464, 10.7398, 45.1810



1.0421, 1.0357, 3.5799

Inverse Universe

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



55.1255, 43.4975, 55.9445



61.3298, 44.9639, 59.4191



69.6825, 79.2047, 40.4712



15.3796, 15.1797, 17.2842



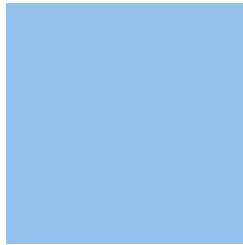
20.9358, 10.5770, 10.7290



1.6925, 0.8500, 1.0982

Previews

White Background



This preview shows how the XYZ color 46.7880, 50.6801, 86.6731 looks on a white background.

Color Contrast Check

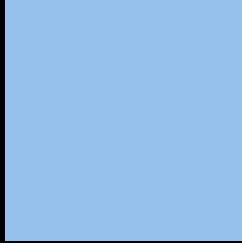
Large Text (above 18pt) WCAG AA × Fail

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 46.7880, 50.6801, 86.6731 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

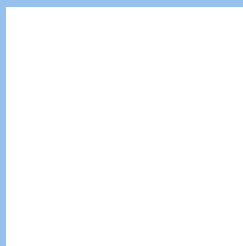
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.7880, 50.6801, 86.6731

Background



This preview shows how black text looks on a background with the XYZ color 46.7880, 50.6801, 86.6731.



This preview shows how white text looks on a background with the XYZ color 46.7880, 50.6801,

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

46.7880, 50.6801, 86.6731

Protanopia

50.3428, 50.3523, 82.6669

Deuteranopia

51.8376, 50.6947, 87.9418



Tritanopia

43.4781, 50.6659, 70.4387

Trichromacy



Original Color

46.7880, 50.6801, 86.6731

Protanomaly

49.0540, 50.6032, 84.2728

Deuteranomaly

49.8468, 50.6269, 87.2655

Tritanomaly

44.6451, 50.8113, 75.8611

Monochromacy



Original Color

46.7880, 50.6801, 86.6731

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.8956, 49.0967, 64.1844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7880, 50.6801, 86.6731 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(150, 193, 236)` looks like.

```
.text, #text, p{  
    color:rgb(150, 193, 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(150, 193, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 193, 236) }
```

Border

The CSS property to change the border of an element to XYZ 46.7880, 50.6801, 86.6731 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(150, 193, 236) }
```


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

```
.border{ border-color:rgb(150, 193, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 193, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 193, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 193, 236);  
box-shadow:4px 4px 4px 4px rgb(150, 193,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7880, 50.6801, 86.6731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 193, 236) }
```

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

```
.background{ background-color: rgb(150,  
193, 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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