

Converting Colors

XYZ(46.8364, 57.3606, 86.8978)

Have a look what the booklet for
XYZ(46.8364, 57.3606, 86.8978)
contains.

XYZ(46.8511, 57.3702, 87.2015)	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(46.8511, 57.3702,
87.2015)**

Conversions

Conversions Part 1

Format	Color
Hex	7CD4EB
RGB	124, 212, 235
RGB Percent	49%, 83%, 92%
CMY	0.5137, 0.1686, 0.0784
CMYK	0.47, 0.10, 0.00, 0.08
HSL	192°, 74%, 70%
HSV	192°, 47%, 92%
XYZ	46.8511, 57.3702, 87.2015
YIQ	188.3100, -59.8310, -11.5030

Conversions

Conversions Part 2

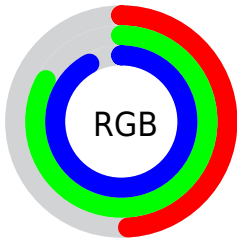
Format	Color
RYB	124, 173, 235
Decimal	8180971
CIELab	80.39, -20.49, -19.55
CIELCh	80, 28.320, 223.645
Yxy	57.3702, 0.2448, 0.2997
Android (android.graphics.Color)	4286371051 (0xFF7CD4EB)
YUV	188.3100, 23.0182, -56.3999
Hunter-Lab	75.7431, -22.1388, -15.2392

Details

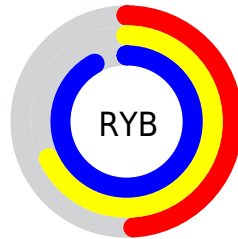
The XYZ color **46.8511, 57.3702, 87.2015** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **48.3341, 39.9863, 24.2412**, and the grayscale version is **47.8754, 50.3686, 54.8514**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **22.3080, 28.4586, 46.9651** is the 20% darker color. If you saturate the color by 10%, you get **42.6526, 53.4272, 86.6627**, and if you desaturate by 10%, it is **51.8991, 61.8081, 87.7931**.

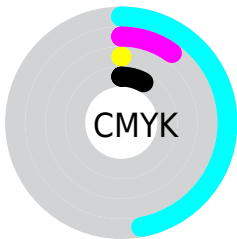
Distribution



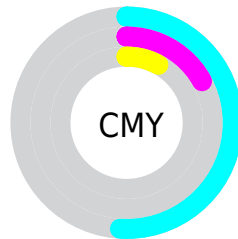
- Red (49%)
- Green (83%)
- Blue (92%)



- Red (49%)
- Yellow (68%)
- Blue (92%)



- Cyan (47%)
- Magenta (10%)
- Yellow (0%)
- Black (8%)



- Cyan (51%)
- Magenta (17%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.8511, 57.3702, 87.2015 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 46.8511, 57.3702, 87.2015 by changing the saturation by 10% instead.

■ 46.8511, 57.3702,
87.2015

■ 46.8511, 57.3702,
87.2015

364.8787,
414.8350, 539.2182

■ 33.1254, 41.3025,
65.1014

■ 84.7114, 101.0052,
145.3463

■ 22.3822, 28.5556,
47.0914

■ 109.5768,
129.3412, 182.2281

■ 14.2562, 18.7449,
32.7531

■ 138.8860,
162.5356, 224.8742

■ 8.3820, 11.4861,
21.6678

173.0046,
200.9726, 273.7031

■ 4.3942, 6.3948,
13.4170

212.2978,
245.0366, 329.1334

■ 1.9275, 3.0866,
7.5822

257.1309,

■ 0.5927, 1.1771,

295.1121, 391.5837

3.7449

307.8695,
351.5835, 461.4724

■ 0.0000, 0.0429,
1.4865

■ 0.0000, 0.0000,
0.2078

■ 46.8511, 57.3702,
87.2015

■ 46.8511, 57.3702,
87.2015

■ 42.6526, 53.4272,
86.6627

■ 51.8991, 61.8081,
87.7931

■ 39.2394, 49.9418,
86.1699

■ 57.8441, 66.7622,
88.4360


■ 36.5468, 46.8814,
85.7211


■ 64.7365, 72.2601,
89.1339


■ 34.4967, 44.2054,
85.3126


■ 72.6213, 78.3255,
89.8891


 32.9872, 41.8606,
84.9396


 81.5403, 84.9803,
90.7035

 32.6199, 41.2468,
84.8405

 87.7555, 90.2981,
91.4024

 89.2180, 93.2230,
91.8898

 90.7192, 96.2255,
92.3902

 91.9956, 98.7782,
92.8157

Harmonies

Analogous

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



44.3946, 57.3702, 70.3069



46.8511, 57.3702, 87.2015



51.4486, 57.3702, 98.3927

Triad

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



46.8511, 57.3702, 87.2015



65.9433, 57.3702, 71.8973



51.9402, 57.3702, 36.2883

Complementary

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



46.8511, 57.3702, 87.2015



48.3341, 39.9863, 24.2412

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.



57.7292, 57.3702, 36.5612



46.8511, 57.3702, 87.2015



66.0983, 57.3702, 55.2316

Square

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



46.8511, 57.3702, 87.2015



62.5925, 57.3702, 88.5423



63.0022, 57.3702, 42.9160



47.1889, 57.3702, 42.0899

Rectangle

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



46.8511, 57.3702, 87.2015



55.2406, 57.3702, 100.0640



63.0022, 57.3702, 42.9160



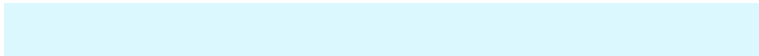
53.8228, 57.3702, 35.7089

Sweetspot

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



46.8529, 57.3724, 87.2029



80.7993, 89.2176, 107.5699



43.2259, 65.7846, 37.6971



16.8706, 18.7670, 22.9832



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.



46.8529, 57.3724, 87.2029



51.3308, 64.3003, 104.3135



35.4171, 34.5007, 83.3909



15.2373, 16.5611, 19.3158



18.2489, 23.1448, 47.2485



1.4995, 1.9505, 3.7323

Inverse Universe

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



53.3538, 36.8327, 66.5870



60.3530, 37.7664, 75.2599



58.9506, 61.2194, 27.7801



15.5733, 15.2572, 18.3045



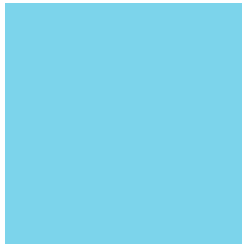
24.0665, 11.8293, 27.2153



1.9234, 0.9423, 2.3139

Previews

White Background



This preview shows how the XYZ color 46.8511, 57.3702, 87.2015 looks on a white background.

Color Contrast Check

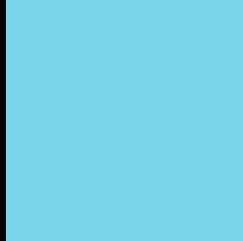
Large Text (above 18pt) WCAG AA × Fail

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 46.8511, 57.3702, 87.2015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

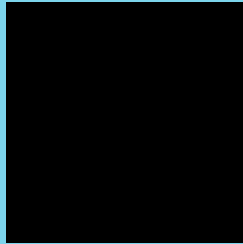
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8511, 57.3702, 87.2015

Background



This preview shows how black text looks on a background with the XYZ color 46.8511, 57.3702, 87.2015.

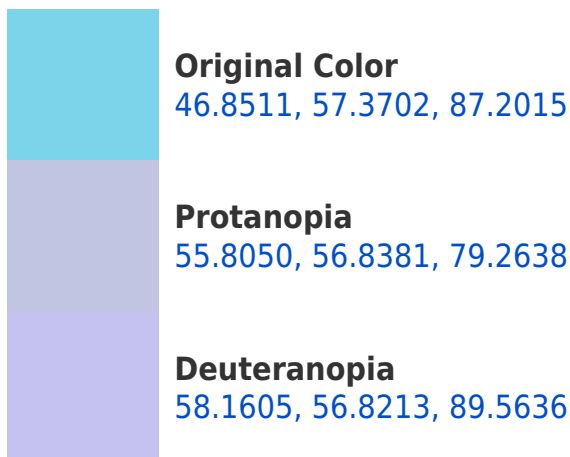


This preview shows how white text looks on a background with the XYZ color 46.8511, 57.3702,

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





Tritanopia

46.1032, 57.4392, 83.5199

Trichromacy



Original Color

46.8511, 57.3702, 87.2015

Protanomaly

51.6256, 56.3332, 82.2812

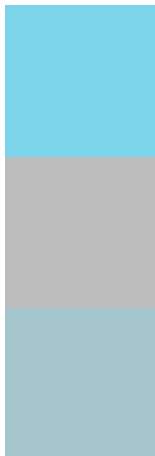
Deuteranomaly

53.1138, 56.6043, 89.0152

Tritanomaly

46.5281, 57.6256, 85.0145

Monochromacy



Original Color

46.8511, 57.3702, 87.2015

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

46.5027, 52.3396, 65.4092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8511, 57.3702, 87.2015 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(124, 212, 235)` looks like.

```
.text, #text, p{  
    color:rgb(124, 212, 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(124, 212, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 212, 235) }
```

Border

The CSS property to change the border of an element to XYZ 46.8511, 57.3702, 87.2015 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(124, 212, 235) }
```


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

```
.border{ border-color:rgb(124, 212, 235) }
```

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

Here you see how a box with a 4 pixel rgb(124, 212, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 212, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 212, 235);  
box-shadow:4px 4px 4px 4px rgb(124, 212,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8511, 57.3702, 87.2015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 212, 235) }
```

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

```
.background{ background-color: rgb(124,  
212, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor