

Converting Colors

XYZ(47.9341, 58.0397, 88.7949)

Have a look what the booklet for
XYZ(47.9341, 58.0397, 88.7949)
contains.

XYZ(47.8828, 57.8685, 88.7668)	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(47.8828, 57.8685,
88.7668)**

Conversions

Conversions Part 1

Format	Color
Hex	81D4ED
RGB	129, 212, 237
RGB Percent	51%, 83%, 93%
CMY	0.4941, 0.1686, 0.0706
CMYK	0.46, 0.11, 0.00, 0.07
HSL	194°, 75%, 72%
HSV	194°, 46%, 93%
XYZ	47.8828, 57.8685, 88.7668
YIQ	190.0330, -57.4930, -9.8210

Conversions

Conversions Part 2

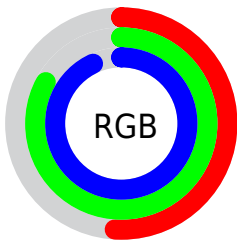
Format	Color
RYB	129, 176, 237
Decimal	8508653
CIELab	80.67, -18.81, -20.17
CIELCh	81, 27.583, 226.993
Yxy	57.8685, 0.2462, 0.2975
Android (android.graphics.Color)	4286698733 (0xFF81D4ED)
YUV	190.0330, 23.1547, -53.5259
Hunter-Lab	76.0713, -20.7688, -15.9349

Details

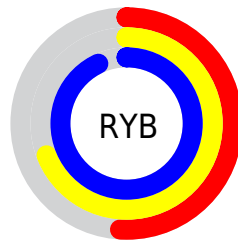
The XYZ color **47.8828, 57.8685, 88.7668** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **50.4443, 42.7020, 26.3542**, and the grayscale version is **48.8587, 51.4032, 55.9781**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **22.9232, 28.7522, 48.0576** is the 20% darker color. If you saturate the color by 10%, you get **43.3439, 53.5285, 88.1694**, and if you desaturate by 10%, it is **53.3067, 62.7365, 89.4216**.

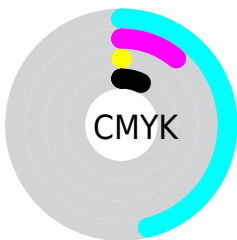
Distribution



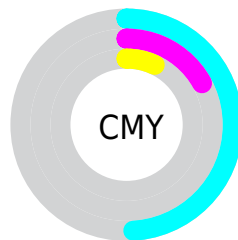
- Red (51%)
- Green (83%)
- Blue (93%)



- Red (51%)
- Yellow (69%)
- Blue (93%)



- Cyan (46%)
- Magenta (11%)
- Yellow (0%)
- Black (7%)



- Cyan (49%)
- Magenta (17%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8828, 57.8685, 88.7668 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 47.8828, 57.8685, 88.7668 by changing the saturation by 10% instead.

■ 47.8828, 57.8685,
88.7668

■ 47.8828, 57.8685,
88.7668

368.9177,
416.6958, 544.4773

■ 33.9449, 41.7029,
66.3904

■ 86.2406, 101.7313,
147.5447

■ 23.0140, 28.8688,
48.1309

■ 111.3913,
130.1974, 184.7833

■ 14.7246, 18.9816,
33.5698

■ 141.0103,
163.5324, 227.8130

■ 8.7114, 11.6570,
22.2886

175.4630,
202.1208, 277.0524

■ 4.6090, 6.5105,
13.8688

215.1148,
246.3469, 332.9200

■ 2.0521, 3.1579,
7.8918

260.3309,

■ 0.6630, 1.2147,

296.5952, 395.8343

3.9390

311.4767,
353.2500, 466.2139

■ 0.0000, 0.0737,
1.5919

■ 0.0000, 0.0000,
0.2851

■ 47.8828, 57.8685,
88.7668

■ 47.8828, 57.8685,
88.7668

■ 43.3439, 53.5285,
88.1694

■ 53.3067, 62.7365,
89.4216

■ 39.6257, 49.6788,
87.6223

■ 59.6636, 68.1540,
90.1322

■ 36.6633, 46.2865,
87.1236

■ 67.0042, 74.1492,
90.9025

■ 34.3792, 43.3110,
86.6697

■ 75.3741, 80.7461,
91.7347

■ 32.6778, 40.7023,
86.2558

■ 84.8159, 87.9674,
92.6309

■ 32.0435, 39.6289,
86.0821

■ 89.1540, 92.6301,
93.3023

■ 90.8377, 95.9973,
93.8635

■ 92.2863, 98.8945,
94.3463

Harmonies

Analogous

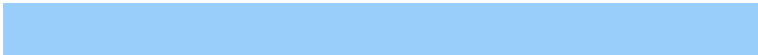
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.2030, 57.8685, 72.6014



47.8828, 57.8685, 88.7668



52.5802, 57.8685, 98.6702

Triad

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



47.8828, 57.8685, 88.7668



66.3469, 57.8685, 70.3157



51.8712, 57.8685, 37.5760

Complementary

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



47.8828, 57.8685, 88.7668



50.4443, 42.7020, 26.3542

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.



57.4977, 57.8685, 37.1784



47.8828, 57.8685, 88.7668



66.1243, 57.8685, 54.3010

Square

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



47.8828, 57.8685, 88.7668



63.3833, 57.8685, 86.8471



62.7946, 57.8685, 42.7887



47.3946, 57.8685, 43.9885

Rectangle

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



47.8828, 57.8685, 88.7668



56.3430, 57.8685, 99.4408



62.7946, 57.8685, 42.7887



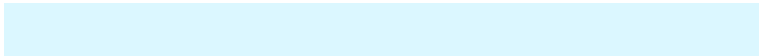
53.6830, 57.8685, 36.7789

Sweetspot

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



47.8846, 57.8707, 88.7682



80.5340, 88.6871, 107.4815



45.0392, 67.5169, 40.5378



16.8055, 18.6368, 22.9615



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.



47.8846, 57.8707, 88.7682



51.3514, 63.3759, 104.1340



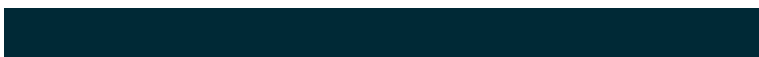
36.8425, 35.7865, 85.0875



15.2049, 16.4963, 19.3050



17.5989, 21.8448, 47.0319



1.4536, 1.8587, 3.7170

Inverse Universe

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



54.6605, 38.4602, 66.8323



60.5991, 38.7673, 73.7737



61.0566, 63.9265, 29.8916



15.5570, 15.2507, 18.2184



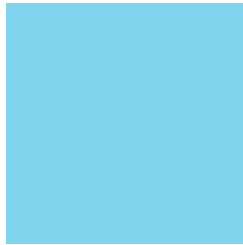
23.7384, 11.6981, 25.4875



1.9002, 0.9331, 2.1920

Previews

White Background



This preview shows how the XYZ color 47.8828, 57.8685, 88.7668 looks on a white background.

Color Contrast Check

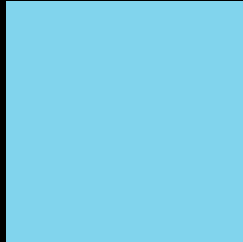
Large Text (above 18pt) WCAG AA × Fail

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 47.8828, 57.8685, 88.7668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

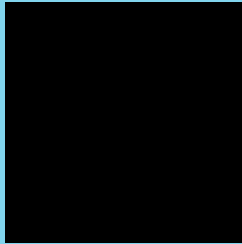
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.8828, 57.8685, 88.7668

Background



This preview shows how black text looks on a background with the XYZ color 47.8828, 57.8685, 88.7668.

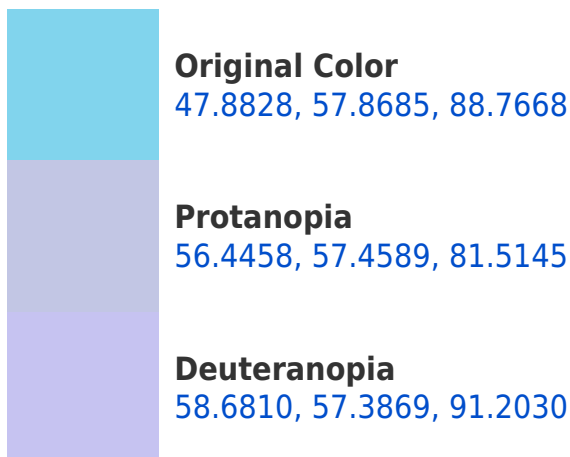


This preview shows how white text looks on a background with the XYZ color 47.8828, 57.8685,

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

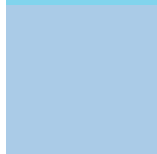
46.8296, 57.8137, 83.5539

Trichromacy



Original Color

47.8828, 57.8685, 88.7668



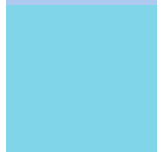
Protanomaly

52.3573, 57.0274, 83.8492



Deuteranomaly

53.8484, 56.9488, 90.5922



Tritanomaly

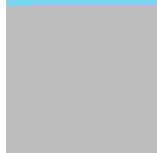
47.4043, 58.0609, 85.7992

Monochromacy



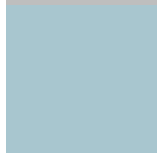
Original Color

47.8828, 57.8685, 88.7668



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

47.6050, 53.2180, 66.7945

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8828, 57.8685, 88.7668 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(129, 212, 237)` looks like.

```
.text, #text, p{  
    color:rgb(129, 212, 237)  
}
```

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(129, 212, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 212, 237) }
```

Border

The CSS property to change the border of an element to XYZ 47.8828, 57.8685, 88.7668 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(129, 212, 237) }
```


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

```
.border{ border-color:rgb(129, 212, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 212, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 212, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 212, 237);  
box-shadow:4px 4px 4px 4px rgb(129, 212,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8828, 57.8685, 88.7668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 212, 237) }
```

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

```
.background{ background-color: rgb(129,  
212, 237) }
```

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