

Converting Colors

XYZ(41.9091, 47.9542, 87.6526)

Have a look what the booklet for
XYZ(41.9091, 47.9542, 87.6526)
contains.

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Color

**XYZ(41.8900, 47.7943,
87.9063)**

Conversions

Conversions Part 1

Format	Color
Hex	77C0EE
RGB	119, 192, 238
RGB Percent	47%, 75%, 93%
CMY	0.5333, 0.2470, 0.0667
CMYK	0.50, 0.19, 0.00, 0.07
HSL	203°, 78%, 70%
HSV	203°, 50%, 93%
XYZ	41.8900, 47.7943, 87.9063
YIQ	175.4170, -58.2740, -1.1700

Conversions

Conversions Part 2

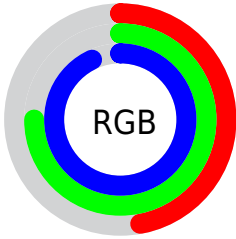
Format	Color
R _Y B	119, 164, 238
Decimal	7848174
CIE Lab	74.70, -10.42, -29.86
CIE LCh	75, 31.626, 250.760
Yxy	47.7943, 0.2359, 0.2691
Android (android.graphics.Color)	4286038254 (0xFF77C0EE)
YUV	175.4170, 30.8534, -49.4777
Hunter-Lab	69.1334, -12.8250, -26.9965

Details

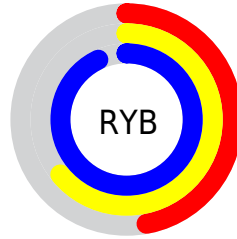
The XYZ color **41.8900, 47.7943, 87.9063** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **52.0461, 46.4208, 23.6714**, and the grayscale version is **40.8317, 42.9581, 46.7814**.

A 20% lighter version of the original color is **69.7489, 83.7019, 107.0877**, and **19.4210, 22.7422, 47.6221** is the 20% darker color. If you saturate the color by 10%, you get **37.0664, 42.4028, 87.1208**, and if you desaturate by 10%, it is **47.6608, 53.8634, 88.7745**.

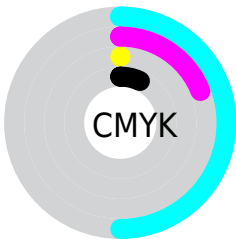
Distribution



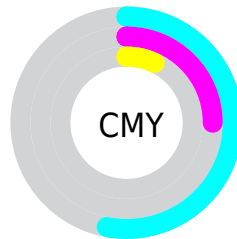
- Red (47%)
- Green (75%)
- Blue (93%)



- Red (47%)
- Yellow (64%)
- Blue (93%)



- Cyan (50%)
- Magenta (19%)
- Yellow (0%)
- Black (7%)



- Cyan (53%)
- Magenta (25%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8900, 47.7943, 87.9063 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 41.8900, 47.7943, 87.9063 by changing the saturation by 10% instead.

■ 41.8900, 47.7943,
87.9063

■ 41.8900, 47.7943,
87.9063

345.0261,
377.9762, 541.5897

■ 29.2059, 33.6640,
65.6816

■ 77.2993, 86.8981,
146.3367

■ 19.3817, 22.6356,
47.5591

■ 100.7553,
112.6403, 183.3794

■ 12.0520, 14.3247,
33.1204

■ 128.5325,
143.0220, 226.1986

■ 6.8516, 8.3468,
21.9468

160.9965,
178.4276, 275.2127

■ 3.4150, 4.3177,
13.6199

198.5124,
219.2414, 330.8404

■ 1.3768, 1.8528,
7.7210

241.4458,

■ 0.2396, 0.5198,

265.8478, 393.5000

3.8318

290.1619,
318.6313, 463.6103

■ 0.0000, 0.0000,
1.5335

■ 0.0000, 0.0000,
0.2427

■ 41.8900, 47.7943,
87.9063

■ 41.8900, 47.7943,
87.9063

■ 37.0664, 42.4028,
87.1208

■ 47.6608, 53.8634,
88.7745

■ 33.1206, 37.6471,
86.4108

■ 54.4321, 60.6382,
89.7253

■ 29.9809, 33.4874,
85.7734

■ 62.2586, 68.1508,
90.7629

■ 27.5601, 29.8753,
85.2037

■ 71.1893, 76.4299,
91.8902

■ 25.7122, 26.7319,
84.6944

■ 81.2700, 85.5021,
93.1100

■ 25.7119, 26.7313,
84.6943

■ 89.9956, 94.0788,
94.3056

■ 92.4328, 98.9531,
95.1179

Harmonies

Analogous

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



37.5774, 47.7943, 75.4970



41.8900, 47.7943, 87.9063



47.5166, 47.7943, 89.6314

Triad

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



41.8900, 47.7943, 87.9063



57.1419, 47.7943, 46.3647



38.6023, 47.7943, 31.6001

Complementary

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



41.8900, 47.7943, 87.9063



52.0461, 46.4208, 23.6714

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.



43.3996, 47.7943, 26.7752



41.8900, 47.7943, 87.9063



54.3002, 47.7943, 34.0271

Square

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



41.8900, 47.7943, 87.9063



56.6517, 47.7943, 63.1535



49.1578, 47.7943, 27.5586



35.7926, 47.7943, 42.3131

Rectangle

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



41.8900, 47.7943, 87.9063



51.3023, 47.7943, 84.1616



49.1578, 47.7943, 27.5586



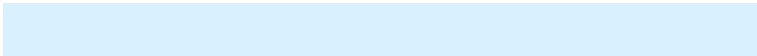
40.0184, 47.7943, 29.3493

Sweetspot

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



41.8916, 47.7961, 87.9074



77.8143, 84.3799, 106.7934



44.9404, 67.7749, 46.1297



16.1891, 17.6269, 22.7990



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.



41.8916, 47.7961, 87.9074



43.2373, 49.4604, 101.8757



31.4135, 26.8399, 84.4147



15.7045, 16.8432, 20.1449



14.4737, 15.1716, 47.2934



1.3002, 1.4544, 3.9664

Inverse Universe

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



51.3725, 35.1782, 53.9534



55.9390, 34.7418, 55.8972



65.2778, 72.8843, 28.0820



16.1803, 15.9218, 18.5057



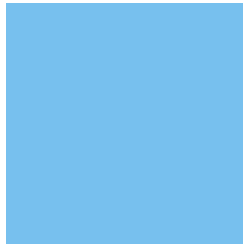
22.6313, 11.3249, 16.5067



1.9312, 0.9615, 1.6287

Previews

White Background



This preview shows how the XYZ color 41.8900, 47.7943, 87.9063 looks on a white background.

Color Contrast Check

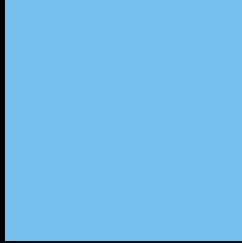
Large Text (above 18pt) WCAG AA × Fail

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 41.8900, 47.7943, 87.9063 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

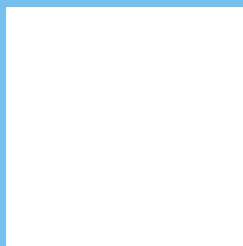
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.8900, 47.7943, 87.9063

Background



This preview shows how black text looks on a background with the XYZ color 41.8900, 47.7943, 87.9063.



This preview shows how white text looks on a background with the XYZ color 41.8900, 47.7943,

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

41.8900, 47.7943, 87.9063

Protanopia

47.6014, 47.4188, 81.5068

Deuteranopia

48.5606, 47.4284, 89.8143



Tritanopia

38.4055, 48.0655, 69.5407

Trichromacy



Original Color

41.8900, 47.7943, 87.9063

Protanomaly

45.0058, 47.2565, 83.8402

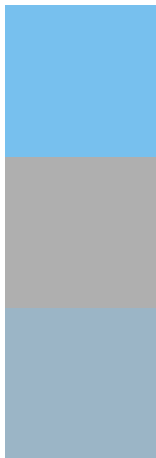
Deuteranomaly

45.6312, 47.1516, 89.1342

Tritanomaly

39.5057, 47.8281, 75.5562

Monochromacy



Original Color

41.8900, 47.7943, 87.9063

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.2345, 44.0935, 59.8164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8900, 47.7943, 87.9063 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(119, 192, 238)` looks like.

```
.text, #text, p{  
    color:rgb(119, 192, 238)  
}
```

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(119, 192, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 192, 238) }
```

Border

The CSS property to change the border of an element to XYZ 41.8900, 47.7943, 87.9063 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(119, 192, 238) }
```


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

```
.border{ border-color:rgb(119, 192, 238) }
```

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

Here you see how a box with a 4 pixel rgb(119, 192, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 192, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 192, 238);  
box-shadow:4px 4px 4px 4px rgb(119, 192,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8900, 47.7943, 87.9063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 192, 238) }
```

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

```
.background{ background-color: rgb(119,  
192, 238) }
```

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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