

Converting Colors

XYZ(47.3613, 48.0491, 88.4027)

Have a look what the booklet for
XYZ(47.3613, 48.0491, 88.4027)
contains.

XYZ(47.4184, 48.0900, 88.4444)	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(47.4184, 48.0900,
88.4444)**

Conversions

Conversions Part 1

Format	Color
Hex	A1B8EF
RGB	161, 184, 239
RGB Percent	63%, 72%, 94%
CMY	0.3686, 0.2784, 0.0627
CMYK	0.33, 0.23, 0.00, 0.06
HSL	222°, 71%, 78%
HSV	222°, 33%, 94%
XYZ	47.4184, 48.0900, 88.4444
YIQ	183.3930, -31.3630, 12.2290

Conversions

Conversions Part 2

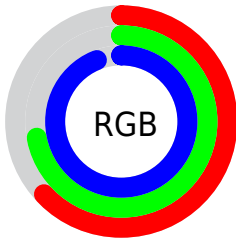
Format	Color
RYB	161, 179, 239
Decimal	10598639
CIELab	74.88, 4.83, -29.92
CIELCh	75, 30.304, 279.164
Yxy	48.0900, 0.2578, 0.2614
Android (android.graphics.Color)	4288788719 (0xFFA1B8EF)
YUV	183.3930, 27.4143, -19.6387
Hunter-Lab	69.3470, 0.6984, -27.0750

Details

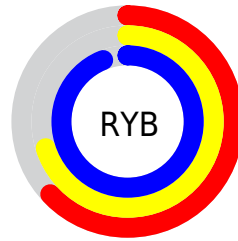
The XYZ color **47.4184, 48.0900, 88.4444** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **66.5865, 70.0366, 43.7288**, and the grayscale version is **45.0932, 47.4415, 51.6638**.

A 20% lighter version of the original color is **77.8254, 84.2919, 106.7759**, and **22.7269, 22.7773, 47.9984** is the 20% darker color. If you saturate the color by 10%, you get **39.7600, 39.2519, 87.1430**, and if you desaturate by 10%, it is **56.4175, 58.2405, 89.9302**.

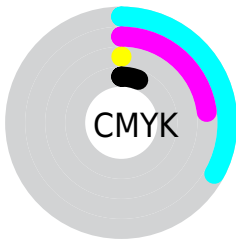
Distribution



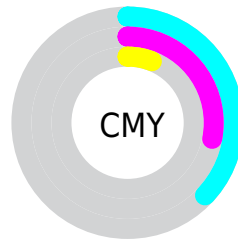
- Red (63%)
- Green (72%)
- Blue (94%)



- Red (63%)
- Yellow (70%)
- Blue (94%)



- Cyan (33%)
- Magenta (23%)
- Yellow (0%)
- Black (6%)



- Cyan (37%)
- Magenta (28%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4184, 48.0900, 88.4444 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 47.4184, 48.0900, 88.4444 by changing the saturation by 10% instead.

■ 47.4184, 48.0900,
88.4444

■ 47.4184, 48.0900,
88.4444

367.1032,
379.1488, 543.3964

■ 33.5759, 33.8982,
66.1247

■ 85.5528, 87.3384,
147.0923

■ 22.7293, 22.8154,
47.9166

■ 110.5753,
113.1637, 184.2576

■ 14.5133, 14.4572,
33.4013

140.0553,
143.6357, 227.2085

■ 8.5626, 8.4394,
22.1604

174.3580,
179.1387, 276.3636

■ 4.5118, 4.3774,
13.7754

213.8487,
220.0571, 332.1414

■ 1.9956, 1.8868,
7.8276

258.8930,

■ 0.6315, 0.5404,

266.7753, 394.9604

3.8987

309.8560,
319.6777, 465.2393

■ 0.0000, 0.0000,
1.5699

■ 0.0000, 0.0000,
0.2692

■ 47.4184, 48.0900,
88.4444

■ 47.4184, 48.0900,
88.4444

■ 39.7600, 39.2519,
87.1430

■ 56.4175, 58.2405,
89.9302

■ 33.3704, 31.6643,
86.0152

■ 66.8150, 69.7504,
91.6038

■ 28.1778, 25.2684,
85.0543

■ 78.6705, 82.6713,
93.4729

■ 24.1009, 19.9977,
84.2519

■ 91.4466, 96.7449,
95.5160

■ 21.0472, 15.7786,
83.5984

■ 92.5801, 99.0121,
95.8939

■ 18.9070, 12.5263,
83.0835

■ 17.8002, 10.6722,
82.7839

Harmonies

Analogous

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



42.0379, 48.0900, 86.1959



47.4184, 48.0900, 88.4444



52.7399, 48.0900, 79.6249

Triad

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



47.4184, 48.0900, 88.4444



54.4358, 48.0900, 35.4237



36.4936, 48.0900, 42.2823

Complementary

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



47.4184, 48.0900, 88.4444



66.5865, 70.0366, 43.7288

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.



39.3309, 48.0900, 32.1627



47.4184, 48.0900, 88.4444



49.5860, 48.0900, 28.7917

Square

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



47.4184, 48.0900, 88.4444



57.0005, 48.0900, 47.6710



44.0394, 48.0900, 27.7318



36.0152, 48.0900, 57.3507

Rectangle

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



47.4184, 48.0900, 88.4444



55.4347, 48.0900, 69.5286



44.0394, 48.0900, 27.7318



37.1915, 48.0900, 38.2825

Sweetspot

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



47.4200, 48.0919, 88.4455



80.8127, 84.5400, 106.6663



57.9087, 74.2483, 75.9754



16.8988, 17.6587, 22.7678



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.



47.4200, 48.0919, 88.4455



48.9963, 48.8891, 101.4619



46.3668, 41.0236, 87.1367



15.2771, 15.9883, 20.0025



9.9355, 6.0953, 45.7807



0.9097, 0.6734, 3.8362

Inverse Universe

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



56.9945, 47.3027, 51.4757



61.7969, 48.3837, 51.9121



67.8554, 80.0588, 45.5964



15.9645, 15.8355, 17.3695



20.3406, 10.4087, 4.4443



1.7341, 0.8827, 0.5907

Previews

White Background



This preview shows how the XYZ color 47.4184, 48.0900, 88.4444 looks on a white background.

Color Contrast Check

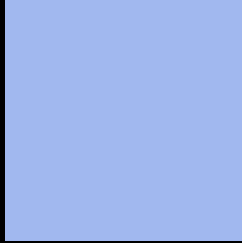
Large Text (above 18pt) WCAG AA × Fail

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 47.4184, 48.0900, 88.4444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

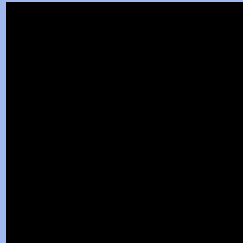
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.4184, 48.0900, 88.4444

Background



This preview shows how black text looks on a background with the XYZ color 47.4184, 48.0900, 88.4444.



This preview shows how white text looks on a background with the XYZ color 47.4184, 48.0900,

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

47.4184, 48.0900, 88.4444

Protanopia

48.3762, 48.0053, 86.8370

Deuteranopia

49.2653, 48.1097, 89.1276



Tritanopia

42.5698, 48.0070, 64.7802

Trichromacy



Original Color

47.4184, 48.0900, 88.4444

Protanomaly

48.0920, 48.1470, 87.6475

Deuteranomaly

48.6046, 48.0720, 89.1552

Tritanomaly

44.2179, 48.0441, 72.5885

Monochromacy



Original Color

47.4184, 48.0900, 88.4444

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.3922, 47.2927, 63.2359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4184, 48.0900, 88.4444 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(161, 184, 239)` looks like.

```
.text, #text, p{  
    color:rgb(161, 184, 239)  
}
```

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(161, 184, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 184, 239) }
```

Border

The CSS property to change the border of an element to XYZ 47.4184, 48.0900, 88.4444 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(161, 184, 239) }
```


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

```
.border{ border-color:rgb(161, 184, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 184, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 184, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 184, 239);  
box-shadow:4px 4px 4px 4px rgb(161, 184,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4184, 48.0900, 88.4444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 184, 239) }
```

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

```
.background{ background-color: rgb(161,  
184, 239) }
```

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