

Converting Colors

XYZ(41.9302, 46.6720, 92.6712)

Have a look what the booklet for
XYZ(41.9302, 46.6720, 92.6712)
contains.

XYZ(41.8628, 46.7088, 92.3972)	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(41.8628, 46.7088,
92.3972)**

Conversions

Conversions Part 1

Format	Color
Hex	75BDF4
RGB	117, 189, 244
RGB Percent	46%, 74%, 96%
CMY	0.5412, 0.2588, 0.0431
CMYK	0.52, 0.23, 0.00, 0.04
HSL	206°, 85%, 71%
HSV	206°, 52%, 96%
XYZ	41.8628, 46.7088, 92.3972
YIQ	173.7420, -60.5670, 1.8410

Conversions

Conversions Part 2

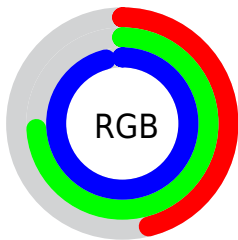
Format	Color
R _Y B	117, 163, 244
Decimal	7716340
CIE Lab	74.00, -7.52, -34.17
CIE LCh	74, 34.989, 257.586
Yxy	46.7088, 0.2313, 0.2581
Android (android.graphics.Color)	4285906420 (0xFF75BDF4)
YUV	173.7420, 34.6372, -49.7627
Hunter-Lab	68.3438, -10.2647, -32.3162

Details

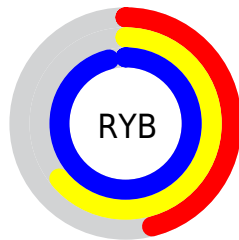
The XYZ color **41.8628, 46.7088, 92.3972** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.2729, 50.0241, 23.5737**, and the grayscale version is **39.9515, 42.0321, 45.7730**.

A 20% lighter version of the original color is **68.6069, 81.7549, 106.7721**, and **19.4568, 22.0514, 50.8078** is the 20% darker color. If you saturate the color by 10%, you get **36.8110, 40.8530, 91.5341**, and if you desaturate by 10%, it is **47.9377, 53.3397, 93.3578**.

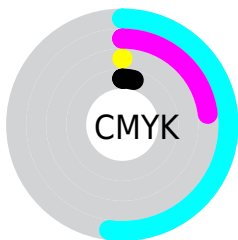
Distribution



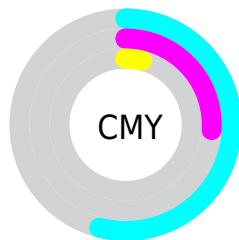
- Red (46%)
- Green (74%)
- Blue (96%)



- Red (46%)
- Yellow (64%)
- Blue (96%)



- Cyan (52%)
- Magenta (23%)
- Yellow (0%)
- Black (4%)



- Cyan (54%)
- Magenta (26%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8628, 46.7088, 92.3972 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 41.8628, 46.7088, 92.3972 by changing the saturation by 10% instead.

■ 41.8628, 46.7088,
92.3972

■ 41.8628, 46.7088,
92.3972

344.9152,
373.6510, 556.5684

■ 29.1845, 32.8055,
69.3857

■ 77.2584, 85.2788,
152.6283

■ 19.3654, 21.9775,
50.5522

■ 100.7064,
110.7143, 190.6849

■ 12.0402, 13.8404,
35.4781

■ 128.4751,
140.7626, 234.5937

■ 6.8435, 8.0097,
23.7449

160.9297,
175.8082, 284.7731

■ 3.4098, 4.1012,
14.9340

198.4357,
216.2355, 341.6418

■ 1.3740, 1.7303,
8.6270

241.3584,

■ 0.2376, 0.4432,

262.4287, 405.6182

4.4052

290.0631,
314.7724, 477.1209

■ 0.0000, 0.0000,
1.8502

■ 0.0000, 0.0000,
0.4608

■ 41.8628, 46.7088,
92.3972

■ 41.8628, 46.7088,
92.3972

■ 36.8110, 40.8530,
91.5341

■ 47.9377, 53.3397,
93.3578

■ 32.7060, 35.7250,
90.7606

■ 55.0949, 60.7786,
94.4164

■ 29.4678, 31.2792,
90.0732

■ 63.3942, 69.0620,
95.5779

■ 26.9984, 27.4595,
89.4660

■ 72.8898, 78.2227,
96.8456

■ 25.4654, 24.8040,
89.0343

■ 83.6317, 88.2912,
98.2228

■ 92.5069, 97.6670,
99.5648

■ 93.3293, 99.3117,
99.8389

Harmonies

Analogous

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



36.7762, 46.7088, 80.7195



41.8628, 46.7088, 92.3972



48.1245, 46.7088, 91.2059

Triad

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



41.8628, 46.7088, 92.3972



56.8588, 46.7088, 41.1557



36.1042, 46.7088, 31.0044

Complementary

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



41.8628, 46.7088, 92.3972



55.2729, 50.0241, 23.5737

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.



40.8639, 46.7088, 24.6075



41.8628, 46.7088, 92.3972



53.0001, 46.7088, 29.4526

Square

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



41.8628, 46.7088, 92.3972



57.1903, 46.7088, 58.6176



47.0280, 46.7088, 24.1156



33.6669, 46.7088, 43.8152

Rectangle

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



41.8628, 46.7088, 92.3972



52.1327, 46.7088, 83.2804



47.0280, 46.7088, 24.1156



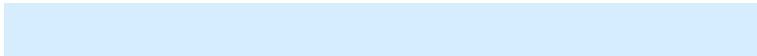
37.4641, 46.7088, 28.1774

Sweetspot

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



41.8644, 46.7105, 92.3983



76.2200, 82.3063, 106.4772



46.9360, 71.3835, 49.2953



15.8509, 17.1699, 22.7286



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.



41.8644, 46.7105, 92.3983



40.6403, 45.0982, 101.1706



31.3317, 25.6452, 88.8874



16.3609, 17.4861, 21.0554



13.9850, 13.7639, 48.4576



1.3312, 1.4138, 4.2930

Inverse Universe

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



52.8561, 35.6314, 52.2376



54.4250, 33.3587, 50.3217



69.7772, 79.0326, 28.4084



16.8927, 16.6399, 19.1817



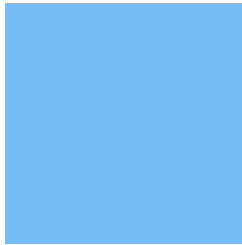
22.8635, 11.4888, 14.5215



2.0610, 1.0304, 1.5476

Previews

White Background



This preview shows how the XYZ color 41.8628, 46.7088, 92.3972 looks on a white background.

Color Contrast Check

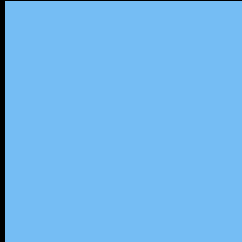
Large Text (above 18pt) WCAG AA × Fail

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 41.8628, 46.7088, 92.3972 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

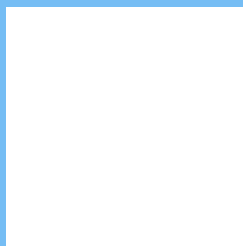
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.8628, 46.7088, 92.3972

Background



This preview shows how black text looks on a background with the XYZ color 41.8628, 46.7088, 92.3972.



This preview shows how white text looks on a background with the XYZ color 41.8628, 46.7088,

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

41.8628, 46.7088, 92.3972

Protanopia

46.9863, 46.4033, 85.8372

Deuteranopia

47.6549, 46.5754, 93.6670



Tritanopia

37.0987, 46.7366, 68.6938

Trichromacy



Original Color

41.8628, 46.7088, 92.3972

Protanomaly

44.7262, 46.3949, 88.2591

Deuteranomaly

45.2690, 46.5705, 92.9893

Tritanomaly

38.6959, 46.7189, 76.7902

Monochromacy



Original Color

41.8628, 46.7088, 92.3972

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.5658, 43.1360, 60.2736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.8628, 46.7088, 92.3972 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(117, 189, 244)` looks like.

```
.text, #text, p{  
    color:rgb(117, 189, 244)  
}
```

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(117, 189, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 189, 244) }
```

Border

The CSS property to change the border of an element to XYZ 41.8628, 46.7088, 92.3972 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(117, 189, 244) }
```


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

```
.border{ border-color:rgb(117, 189, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 189, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 189, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 189, 244);  
box-shadow:4px 4px 4px 4px rgb(117, 189,  
244) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8628, 46.7088, 92.3972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 189, 244) }
```

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

```
.background{ background-color: rgb(117,  
189, 244) }
```

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