

Converting Colors

XYZ(42.0940, 46.7384, 91.0048)

Have a look what the booklet for
XYZ(42.0940, 46.7384, 91.0048)
contains.

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Color

**XYZ(42.1098, 46.8709,
90.8320)**

Conversions

Conversions Part 1

Format	Color
Hex	79BDF2
RGB	121, 189, 242
RGB Percent	47%, 74%, 95%
CMY	0.5255, 0.2588, 0.0510
CMYK	0.50, 0.22, 0.00, 0.05
HSL	206°, 82%, 71%
HSV	206°, 50%, 95%
XYZ	42.1098, 46.8709, 90.8320
YIQ	174.7100, -57.5410, 2.0670

Conversions

Conversions Part 2

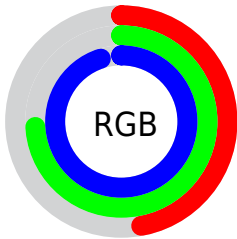
Format	Color
R _Y B	121, 165, 242
Decimal	7978482
CIE Lab	74.11, -7.22, -32.92
CIE LCh	74, 33.700, 257.623
Yxy	46.8709, 0.2342, 0.2607
Android (android.graphics.Color)	4286168562 (0xFF79BDF2)
YUV	174.7100, 33.1740, -47.1037
Hunter-Lab	68.4623, -10.0173, -30.7390

Details

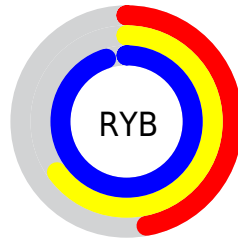
The XYZ color **42.1098, 46.8709, 90.8320** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **55.2068, 50.5319, 24.9350**, and the grayscale version is **40.4546, 42.5614, 46.3494**.

A 20% lighter version of the original color is **69.2928, 82.1085, 106.8042**, and **19.5916, 22.1456, 49.6963** is the 20% darker color. If you saturate the color by 10%, you get **36.9369, 40.9428, 89.9613**, and if you desaturate by 10%, it is **48.3030, 53.5742, 91.8003**.

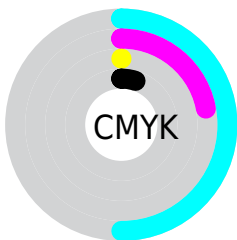
Distribution



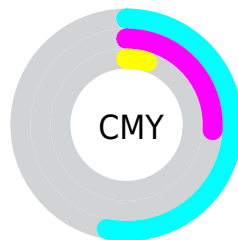
- Red (47%)
- Green (74%)
- Blue (95%)



- Red (47%)
- Yellow (65%)
- Blue (95%)



- Cyan (50%)
- Magenta (22%)
- Yellow (0%)
- Black (5%)



- Cyan (53%)
- Magenta (26%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1098, 46.8709, 90.8320 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 42.1098, 46.8709, 90.8320 by changing the saturation by 10% instead.

■ 42.1098, 46.8709,
90.8320

■ 42.1098, 46.8709,
90.8320

345.9218,
374.2990, 551.3734

■ 29.3788, 32.9336,
68.0933

■ 77.6299, 85.5209,
150.4391

■ 19.5133, 22.0756,
49.5065

■ 101.1497,
111.0024, 188.1447

■ 12.1479, 13.9125,
34.6530

■ 128.9964,
141.1007, 231.6762

■ 6.9174, 8.0598,
23.1143

161.5354,
176.2003, 281.4524

■ 3.4564, 4.1332,
14.4718

199.1321,
216.6855, 337.8916

■ 1.3994, 1.7484,
8.3071

242.1519,

■ 0.2558, 0.4547,

262.9408, 401.4125

4.2015

290.9600,
315.3505, 472.4336

■ 0.0000, 0.0000,
1.7365

■ 0.0000, 0.0000,
0.3856

■ 42.1098, 46.8709,
90.8320

■ 42.1098, 46.8709,
90.8320

■ 36.9369, 40.9428,
89.9613

■ 48.3030, 53.5742,
91.8003

■ 32.7112, 35.7443,
89.1806

■ 55.5734, 61.0844,
92.8668

■ 29.3566, 31.2316,
88.4864

■ 63.9790, 69.4373,
94.0360

■ 26.7807, 27.3515,
87.8732

■ 73.5718, 78.6644,
95.3114

■ 24.8317, 24.0198,
87.3328

■ 84.4006, 88.7957,
96.6962

■ 24.8313, 24.0190,
87.3327

■ 92.2675, 97.6715,
97.9948

■ 93.0272, 99.1909,
98.2480

Harmonies

Analogous

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



37.1816, 46.8709, 79.7097



42.1098, 46.8709, 90.8320



48.1533, 46.8709, 89.6813

Triad

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



42.1098, 46.8709, 90.8320



56.5406, 46.8709, 41.6255



36.5202, 46.8709, 31.7634

Complementary

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



42.1098, 46.8709, 90.8320



55.2068, 50.5319, 24.9350

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.



41.1299, 46.8709, 25.4750



42.1098, 46.8709, 90.8320



52.8313, 46.8709, 30.2220

Square

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



42.1098, 46.8709, 90.8320



56.8632, 46.8709, 58.4889



47.0814, 46.8709, 24.9831



34.1554, 46.8709, 44.2419

Rectangle

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



42.1098, 46.8709, 90.8320



52.0101, 46.8709, 82.1170



47.0814, 46.8709, 24.9831



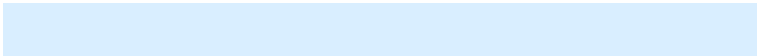
37.8386, 46.8709, 28.9905

Sweetspot

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



42.1114, 46.8726, 90.8331



77.2371, 83.2257, 106.6011



47.2237, 70.6044, 50.8964



16.0500, 17.3485, 22.7526



0.0000, 0.0000, 0.0000



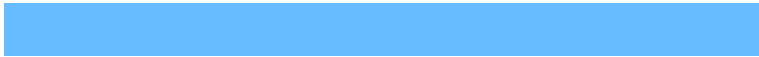
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.1114, 46.8726, 90.8331



41.5090, 46.0038, 101.2996



31.7730, 26.1959, 87.3870



15.6343, 16.7026, 20.1215



13.4779, 13.1801, 46.9615



1.2201, 1.2942, 3.9397

Inverse Universe

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



52.6421, 36.2279, 52.3638



55.0666, 34.3928, 51.3033



69.4742, 79.0666, 29.6908



16.1448, 15.9076, 18.3189



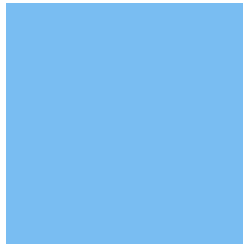
22.1287, 11.1239, 13.8600



1.8908, 0.9454, 1.4159

Previews

White Background



This preview shows how the XYZ color 42.1098, 46.8709, 90.8320 looks on a white background.

Color Contrast Check

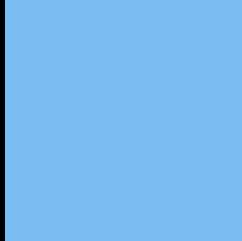
Large Text (above 18pt) WCAG AA × Fail

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 42.1098, 46.8709, 90.8320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

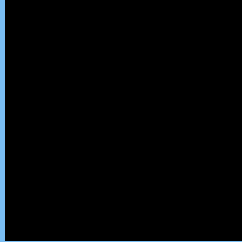
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1098, 46.8709, 90.8320

Background



This preview shows how black text looks on a background with the XYZ color 42.1098, 46.8709, 90.8320.



This preview shows how white text looks on a background with the XYZ color 42.1098, 46.8709,

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

42.1098, 46.8709, 90.8320

Protanopia

47.0518, 46.4538, 85.0839

Deuteranopia

47.7591, 46.6644, 92.0779



Tritanopia

37.7035, 47.0629, 68.0696

Trichromacy



Original Color

42.1098, 46.8709, 90.8320

Protanomaly

44.9438, 46.5240, 87.5002

Deuteranomaly

45.3239, 46.6339, 91.4064

Tritanomaly

39.3250, 47.0587, 76.1178

Monochromacy



Original Color

42.1098, 46.8709, 90.8320

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

40.1476, 43.7346, 60.3584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1098, 46.8709, 90.8320 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(121, 189, 242)` looks like.

```
.text, #text, p{  
    color:rgb(121, 189, 242)  
}
```

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(121, 189, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 189, 242) }
```

Border

The CSS property to change the border of an element to XYZ 42.1098, 46.8709, 90.8320 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(121, 189, 242) }
```


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

```
.border{ border-color:rgb(121, 189, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 189, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 189, 242); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 189, 242); box-shadow:4px 4px 4px 4px rgb(121, 189, 242) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1098, 46.8709, 90.8320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 189, 242) }
```

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

```
.background{ background-color: rgb(121,  
189, 242) }
```

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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