

Converting Colors

XYZ(41.2747, 46.4319, 90.4136)

Have a look what the booklet for
XYZ(41.2747, 46.4319, 90.4136)
contains.

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Color

**XYZ(41.2948, 46.4508,
90.7938)**

Conversions

Conversions Part 1

Format	Color
Hex	73BDF2
RGB	115, 189, 242
RGB Percent	45%, 74%, 95%
CMY	0.5490, 0.2588, 0.0510
CMYK	0.52, 0.22, 0.00, 0.05
HSL	205°, 83%, 70%
HSV	205°, 52%, 95%
XYZ	41.2948, 46.4508, 90.7938
YIQ	172.9160, -61.1170, 0.7950

Conversions

Conversions Part 2

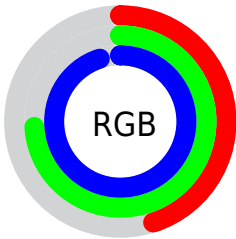
Format	Color
R _Y B	115, 162, 242
Decimal	7585266
CIE Lab	73.84, -8.53, -33.36
CIE LCh	74, 34.430, 255.648
Yxy	46.4508, 0.2313, 0.2602
Android (android.graphics.Color)	4285775346 (0xFF73BDF2)
YUV	172.9160, 34.0584, -50.7923
Hunter-Lab	68.1548, -11.1183, -31.2760

Details

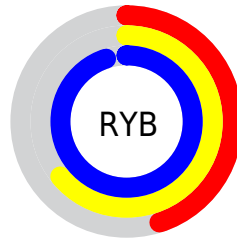
The XYZ color **41.2948, 46.4508, 90.7938** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.7166, 48.1222, 22.6787**, and the grayscale version is **39.5334, 41.5923, 45.2940**.

A 20% lighter version of the original color is **68.1580, 81.5235, 106.7510**, and **19.0833, 21.8836, 49.6725** is the 20% darker color. If you saturate the color by 10%, you get **36.4232, 40.8267, 89.9659**, and if you desaturate by 10%, it is **47.1560, 52.8114, 91.7135**.

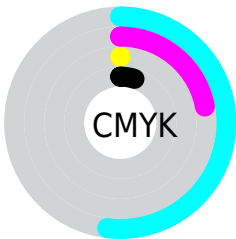
Distribution



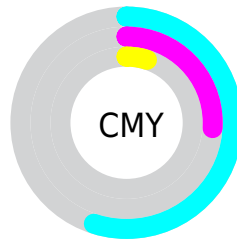
- Red (45%)
- Green (74%)
- Blue (95%)



- Red (45%)
- Yellow (64%)
- Blue (95%)



- Cyan (52%)
- Magenta (22%)
- Yellow (0%)
- Black (5%)



- Cyan (55%)
- Magenta (26%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.2948, 46.4508, 90.7938 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 41.2948, 46.4508, 90.7938 by changing the saturation by 10% instead.

■ 41.2948, 46.4508,
90.7938

■ 41.2948, 46.4508,
90.7938

342.5928,
372.6181, 551.2463

■ 28.7382, 32.6017,
68.0618

■ 76.4031, 84.8933,
150.3857

■ 19.0261, 21.8215,
49.4810

■ 99.6855, 110.2554,
188.0826

■ 11.7933, 13.7258,
34.6329

■ 127.2739,
140.2240, 231.6049

■ 6.6743, 7.9302,
23.0989

159.5336,
175.1835, 281.3712

■ 3.3038, 4.0503,
14.4606

196.8300,
215.5183, 337.7999

■ 1.3164, 1.7018,
8.2993

239.5284,

■ 0.1954, 0.4248,

261.6127, 401.3096

4.1966

287.9942,
313.8512, 472.3189

■ 0.0000, 0.0000,
1.7338

■ 0.0000, 0.0000,
0.3837

■ 41.2948, 46.4508,
90.7938

■ 41.2948, 46.4508,
90.7938

■ 36.4232, 40.8267,
89.9659

■ 47.1560, 52.8114,
91.7135

■ 32.4665, 35.8934,
89.2222

■ 54.0646, 59.9402,
92.7253

■ 29.3461, 31.6066,
88.5592

■ 62.0794, 67.8724,
93.8340

■ 26.9656, 27.9118,
87.9715

■ 71.2529, 76.6394,
95.0427

■ 25.5532, 25.4630,
87.5733

■ 81.6343, 86.2706,
96.3546

■ 91.3282, 95.7929,
97.6816

■ 93.0272, 99.1909,
98.2479

Harmonies

Analogous

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



36.4185, 46.4508, 78.7309



41.2948, 46.4508, 90.7938



47.4034, 46.4508, 90.5024

Triad

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



41.2948, 46.4508, 90.7938



56.4890, 46.4508, 42.0142



36.2531, 46.4508, 30.4733

Complementary

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



41.2948, 46.4508, 90.7938



53.7166, 48.1222, 22.6787

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.



41.0491, 46.4508, 24.5552



41.2948, 46.4508, 90.7938



52.9051, 46.4508, 30.0900

Square

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



41.2948, 46.4508, 90.7938



56.5703, 46.4508, 59.4064



47.1341, 46.4508, 24.4334



33.6954, 46.4508, 42.6690

Rectangle

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



41.2948, 46.4508, 90.7938



51.3755, 46.4508, 83.2333



47.1341, 46.4508, 24.4334



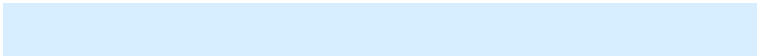
37.6361, 46.4508, 27.8221

Sweetspot

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



41.2964, 46.4525, 90.7949



76.4067, 82.6797, 106.5395



45.8839, 69.9743, 48.0950



15.8954, 17.2590, 22.7435



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.



41.2964, 46.4525, 90.7949



40.6761, 45.5662, 101.2590



30.5065, 24.8729, 87.1983



15.6625, 16.7590, 20.1309



13.8654, 13.9550, 47.0907



1.2515, 1.3570, 3.9502

Inverse Universe

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



51.9353, 34.8145, 52.1283



54.3463, 32.9568, 51.0494



68.4063, 77.5016, 27.5753



16.1591, 15.9133, 18.3939



22.3242, 11.2021, 14.8898



1.9066, 0.9517, 1.4992

Previews

White Background



This preview shows how the XYZ color 41.2948, 46.4508, 90.7938 looks on a white background.

Color Contrast Check

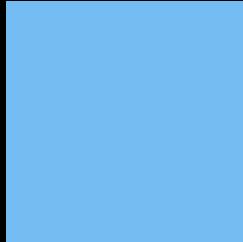
Large Text (above 18pt) WCAG AA × Fail

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 41.2948, 46.4508, 90.7938 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 41.2948, 46.4508, 90.7938

Background



This preview shows how black text looks on a background with the XYZ color 41.2948, 46.4508, 90.7938.



This preview shows how white text looks on a background with the XYZ color 41.2948, 46.4508,

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

41.2948, 46.4508, 90.7938

Protanopia

46.4976, 45.8883, 84.2485

Deuteranopia

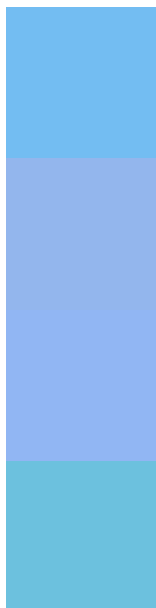
47.1498, 46.0538, 91.9922



Tritanopia

36.8569, 46.6264, 68.0300

Trichromacy



Original Color

41.2948, 46.4508, 90.7938

Protanomaly

44.0466, 45.7734, 86.6344

Deuteranomaly

44.5827, 45.9467, 91.3129

Tritanomaly

38.4391, 46.6020, 76.0764

Monochromacy



Original Color

41.2948, 46.4508, 90.7938

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.2620, 42.9928, 59.6552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.2948, 46.4508, 90.7938 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(115, 189, 242)` looks like.

```
.text, #text, p{  
    color:rgb(115, 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(115, 189, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 189, 242) }
```

Border

The CSS property to change the border of an element to XYZ 41.2948, 46.4508, 90.7938 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(115, 189, 242) }
```


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

```
.border{ border-color:rgb(115, 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(115, 189, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 189, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 189, 242);  
box-shadow:4px 4px 4px 4px rgb(115, 189,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 41.2948, 46.4508, 90.7938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 189, 242) }
```

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

```
.background{ background-color: rgb(115,  
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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