

Converting Colors

XYZ(43.0452, 49.6475, 93.2788)

Have a look what the booklet for
XYZ(43.0452, 49.6475, 93.2788)
contains.

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Color

**XYZ(42.8791, 49.5222,
92.8867)**

Conversions

Conversions Part 1

Format	Color
Hex	71C4F4
RGB	113, 196, 244
RGB Percent	44%, 77%, 96%
CMY	0.5568, 0.2314, 0.0431
CMYK	0.54, 0.20, 0.00, 0.04
HSL	202°, 86%, 70%
HSV	202°, 54%, 96%
XYZ	42.8791, 49.5222, 92.8867
YIQ	176.6550, -64.8760, -2.6680

Conversions

Conversions Part 2

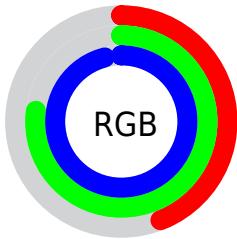
Format	Color
R _Y B	113, 164, 244
Decimal	7455988
CIE Lab	75.78, -12.11, -31.45
CIE LCh	76, 33.699, 248.948
Yxy	49.5222, 0.2314, 0.2673
Android (android.graphics.Color)	4285646068 (0xFF71C4F4)
YUV	176.6550, 33.2011, -55.8254
Hunter-Lab	70.3720, -14.3873, -28.9987

Details

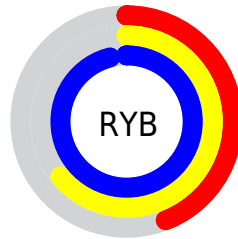
The XYZ color **42.8791, 49.5222, 92.8867** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.0353, 45.9170, 21.6922**, and the grayscale version is **41.4666, 43.6261, 47.5088**.

A 20% lighter version of the original color is **70.1885, 86.2412, 107.5546**, and **19.9690, 23.6052, 51.0807** is the 20% darker color. If you saturate the color by 10%, you get **38.1950, 44.2033, 92.1079**, and if you desaturate by 10%, it is **48.5304, 55.5201, 93.7475**.

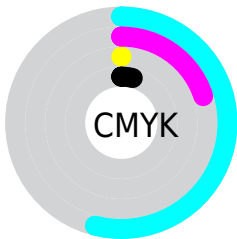
Distribution



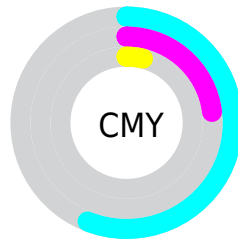
- Red (44%)
- Green (77%)
- Blue (96%)



- Red (44%)
- Yellow (64%)
- Blue (96%)



- Cyan (54%)
- Magenta (20%)
- Yellow (0%)
- Black (4%)



- Cyan (56%)
- Magenta (23%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8791, 49.5222, 92.8867 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 42.8791, 49.5222, 92.8867 by changing the saturation by 10% instead.

■ 42.8791, 49.5222,
92.8867

■ 42.8791, 49.5222,
92.8867

349.0443,
384.7945, 558.1877

■ 29.9844, 35.0339,
69.7902

■ 78.7852, 89.4665,
153.3121

■ 19.9747, 23.6890,
50.8798

■ 102.5274,
115.6914, 191.4781

■ 12.4848, 15.1031,
35.7369

■ 130.6160,
146.5972, 235.5043

■ 7.1493, 8.8918,
23.9430

163.4165,
182.5683, 285.8092

■ 3.6028, 4.6706,
15.0795

201.2942,
223.9893, 342.8115

■ 1.4800, 2.0553,
8.7280

244.6145,

■ 0.3122, 0.6393,

271.2443, 406.9297

4.4698

293.7428,
324.7179, 478.5822

■ 0.0000, 0.0000,
1.8864

■ 0.0000, 0.0000,
0.4841

■ 42.8791, 49.5222,
92.8867

■ 42.8791, 49.5222,
92.8867

■ 38.1950, 44.2033,
92.1079

■ 48.5304, 55.5201,
93.7475

■ 34.4017, 39.5179,
91.4034

■ 55.2075, 62.2273,
94.6902

■ 31.4186, 35.4224,
90.7701

■ 62.9700, 69.6783,
95.7192

■ 29.1456, 31.8619,
90.2027

■ 71.8712, 77.9036,
96.8377

■ 27.9835, 29.8401,
89.8737

■ 81.9607, 86.9314,
98.0485

■ 91.6450, 95.9432,
99.2775

■ 93.3293, 99.3117,
99.8390

Harmonies

Analogous

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



38.3201, 49.5222, 78.6064



42.8791, 49.5222, 92.8867



48.9653, 49.5222, 95.6149

Triad

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



42.8791, 49.5222, 92.8867



59.9804, 49.5222, 48.7384



39.9053, 49.5222, 31.3208

Complementary

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



42.8791, 49.5222, 92.8867



53.0353, 45.9170, 21.6922

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.



45.2231, 49.5222, 26.5469



42.8791, 49.5222, 92.8867



57.0583, 49.5222, 35.0347

Square

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



42.8791, 49.5222, 92.8867



59.2120, 49.5222, 67.2676



51.5241, 49.5222, 27.7366



36.7118, 49.5222, 42.4684

Rectangle

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



42.8791, 49.5222, 92.8867



53.1351, 49.5222, 90.0354



51.5241, 49.5222, 27.7366



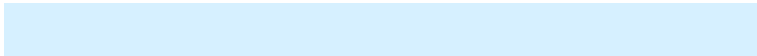
41.4838, 49.5222, 29.0437

Sweetspot

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



42.8808, 49.5240, 92.8879



77.0149, 83.8961, 106.7422



45.4073, 70.7113, 43.9902



16.0407, 17.5495, 22.7919



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.



42.8808, 49.5240, 92.8879



42.0039, 48.6056, 101.7757



31.4806, 26.7237, 89.0878



16.4565, 17.6772, 21.0873



15.3505, 16.4948, 48.9128



1.4469, 1.6453, 4.3315

Inverse Universe

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



53.1786, 35.0306, 56.1851



54.9230, 32.8289, 55.1911



67.0399, 73.9264, 26.3605



16.9410, 16.6592, 19.4358



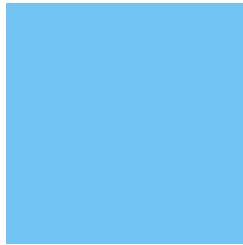
23.5527, 11.7645, 18.1510



2.1194, 1.0537, 1.8551

Previews

White Background



This preview shows how the XYZ color 42.8791, 49.5222, 92.8867 looks on a white background.

Color Contrast Check

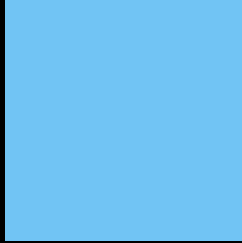
Large Text (above 18pt) WCAG AA × Fail

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 42.8791, 49.5222, 92.8867 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 42.8791, 49.5222, 92.8867

Background



This preview shows how black text looks on a background with the XYZ color 42.8791, 49.5222, 92.8867.



This preview shows how white text looks on a background with the XYZ color 42.8791, 49.5222,

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

42.8791, 49.5222, 92.8867

Protanopia

49.3695, 49.1634, 85.4847

Deuteranopia

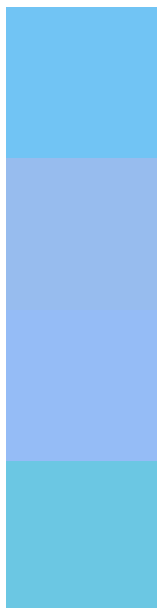
50.2996, 49.1284, 94.8273



Tritanopia

39.0045, 49.6666, 73.1765

Trichromacy



Original Color

42.8791, 49.5222, 92.8867

Protanomaly

46.1783, 48.7188, 87.8587

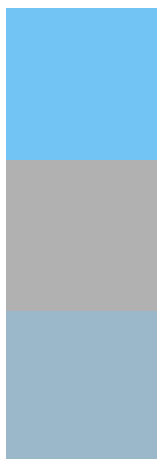
Deuteranomaly

47.0122, 49.0098, 94.1708

Tritanomaly

40.3520, 49.5187, 80.1043

Monochromacy



Original Color

42.8791, 49.5222, 92.8867

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.0095, 45.3681, 61.8538

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8791, 49.5222, 92.8867 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(113, 196, 244)` looks like.

```
.text, #text, p{  
    color:rgb(113, 196, 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(113, 196, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 196, 244) }
```

Border

The CSS property to change the border of an element to XYZ 42.8791, 49.5222, 92.8867 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(113, 196, 244) }
```


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

```
.border{ border-color:rgb(113, 196, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 196, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 196, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 196, 244); box-shadow:4px 4px 4px 4px rgb(113, 196, 244) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8791, 49.5222, 92.8867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 196, 244) }
```

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

```
.background{ background-color: rgb(113,  
196, 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](#).

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