

Converting Colors

XYZ(42.8717, 49.3017, 94.2545)

Have a look what the booklet for
XYZ(42.8717, 49.3017, 94.2545)
contains.

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Color

**XYZ(42.8318, 49.1288,
94.4141)**

Conversions

Conversions Part 1

Format	Color
Hex	70C3F6
RGB	112, 195, 246
RGB Percent	44%, 76%, 96%
CMY	0.5608, 0.2353, 0.0353
CMYK	0.54, 0.21, 0.00, 0.04
HSL	203°, 88%, 70%
HSV	203°, 54%, 96%
XYZ	42.8318, 49.1288, 94.4141
YIQ	175.9970, -65.8390, -1.7350

Conversions

Conversions Part 2

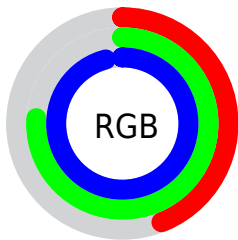
Format	Color
R _Y B	112, 163, 246
Decimal	7390198
CIE Lab	75.53, -11.20, -32.90
CIE LCh	76, 34.757, 251.208
Yxy	49.1288, 0.2298, 0.2636
Android (android.graphics.Color)	4285580278 (0xFF70C3F6)
YUV	175.9970, 34.5115, -56.1254
Hunter-Lab	70.0919, -13.5831, -30.7995

Details

The XYZ color **42.8318, 49.1288, 94.4141** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **54.0296, 46.9593, 21.5476**, and the grayscale version is **41.1173, 43.2587, 47.1087**.

A 20% lighter version of the original color is **69.6550, 85.4987, 107.4394**, and **19.9459, 23.3483, 52.1706** is the 20% darker color. If you saturate the color by 10%, you get **38.0865, 43.6661, 93.6107**, and if you desaturate by 10%, it is **48.5668, 55.2989, 95.3037**.

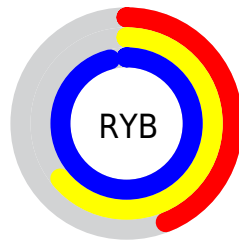
Distribution



Red (44%)

Green (76%)

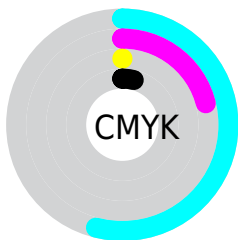
Blue (96%)



Red (44%)

Yellow (64%)

Blue (96%)

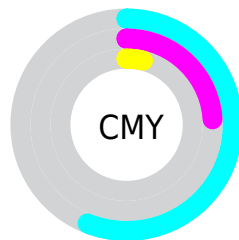


Cyan (54%)

Magenta (21%)

Yellow (0%)

Black (4%)



Cyan (56%)

Magenta (24%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8318, 49.1288, 94.4141 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 42.8318, 49.1288, 94.4141 by changing the saturation by 10% instead.

■ 42.8318, 49.1288,
94.4141

■ 42.8318, 49.1288,
94.4141

348.8528,
383.2492, 563.2239

■ 29.9471, 34.7217,
71.0532

■ 78.7143, 88.8827,
155.4435

■ 19.9463, 23.4485,
51.9035

■ 102.4428,
114.9983, 193.9492

■ 12.4641, 14.9251,
36.5465

■ 130.5166,
145.7855, 238.3401

■ 7.1350, 8.7668,
24.5635

163.3011,
181.6286, 289.0350

■ 3.5938, 4.5894,
15.5361

201.1616,
222.9122, 346.4522

■ 1.4750, 2.0084,
9.0457

244.4635,

■ 0.3087, 0.6124,

270.0205, 411.0105

4.6738

293.5721,
323.3381, 483.1282

■ 0.0000, 0.0000,
2.0018

■ 0.0000, 0.0000,
0.5564

■ 42.8318, 49.1288,
94.4141

■ 42.8318, 49.1288,
94.4141

■ 38.0865, 43.6661,
93.6107

■ 48.5668, 55.2989,
95.3037

■ 34.2521, 38.8638,
92.8859

■ 55.3524, 62.2083,
96.2797

■ 31.2447, 34.6760,
92.2361

■ 63.2497, 69.8930,
97.3468

■ 28.9603, 31.0452,
91.6556

■ 72.3138, 78.3846,
98.5081

■ 27.9236, 29.2316,
91.3602

■ 82.5958, 87.7127,
99.7667

■ 92.4281, 97.0206,
101.0451

■ 93.6347, 99.4339,
101.4473

Harmonies

Analogous

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



38.0128, 49.1288, 80.3193



42.8318, 49.1288, 94.4141



49.1356, 49.1288, 96.1921

Triad

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



42.8318, 49.1288, 94.4141



59.8774, 49.1288, 46.9128



39.0279, 49.1288, 31.0654

Complementary

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



42.8318, 49.1288, 94.4141



54.0296, 46.9593, 21.5476

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.



44.3375, 49.1288, 25.7738



42.8318, 49.1288, 94.4141



56.6088, 49.1288, 33.4234

Square

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



42.8318, 49.1288, 94.4141



59.3802, 49.1288, 65.7050



50.7847, 49.1288, 26.5245



35.9595, 49.1288, 42.8963

Rectangle

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



42.8318, 49.1288, 94.4141



53.3863, 49.1288, 89.7739



50.7847, 49.1288, 26.5245



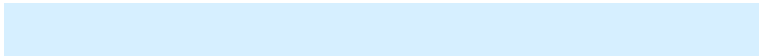
40.5884, 49.1288, 28.6004

Sweetspot

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



42.8335, 49.1306, 94.4153



76.8447, 83.5557, 106.6855



46.0843, 71.9355, 45.2382



16.0000, 17.4681, 22.7783



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.



42.8335, 49.1306, 94.4153



41.0249, 47.0184, 101.5210



31.2834, 26.0305, 90.5653



16.4361, 17.6364, 21.0805



15.0440, 15.8818, 48.8106



1.4212, 1.5938, 4.3230

Inverse Universe

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



53.6520, 35.1232, 55.5831



54.3383, 32.2485, 53.1807



68.7121, 76.3243, 26.4418



16.9307, 16.6551, 19.3815



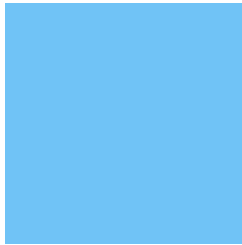
23.3980, 11.7027, 17.3363



2.1064, 1.0485, 1.7868

Previews

White Background



This preview shows how the XYZ color 42.8318, 49.1288, 94.4141 looks on a white background.

Color Contrast Check

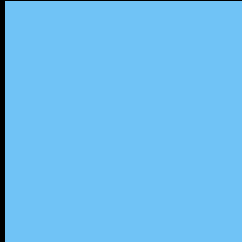
Large Text (above 18pt) WCAG AA × Fail

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 42.8318, 49.1288, 94.4141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

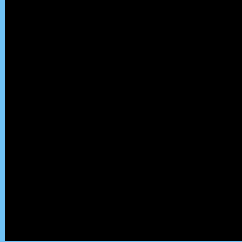
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

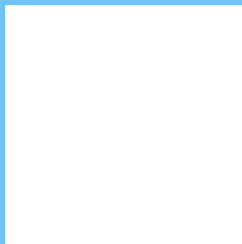
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.8318, 49.1288, 94.4141

Background



This preview shows how black text looks on a background with the XYZ color 42.8318, 49.1288, 94.4141.



This preview shows how white text looks on a background with the XYZ color 42.8318, 49.1288,

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

42.8318, 49.1288, 94.4141

Protanopia

49.0141, 48.6393, 86.9258

Deuteranopia

49.9753, 48.6203, 96.3732



Tritanopia

38.4158, 49.0331, 72.4054

Trichromacy



Original Color

42.8318, 49.1288, 94.4141

Protanomaly

46.0762, 48.3159, 89.3355

Deuteranomaly

46.9263, 48.6139, 95.7171

Tritanomaly

39.8849, 48.9375, 80.0168

Monochromacy



Original Color

42.8318, 49.1288, 94.4141

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

40.6130, 44.8563, 61.7759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8318, 49.1288, 94.4141 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(112, 195, 246)` looks like.

```
.text, #text, p{  
    color:rgb(112, 195, 246)  
}
```

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(112, 195, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 195, 246) }
```

Border

The CSS property to change the border of an element to XYZ 42.8318, 49.1288, 94.4141 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(112, 195, 246) }
```


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

```
.border{ border-color:rgb(112, 195, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 195, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 195, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 195, 246);  
box-shadow:4px 4px 4px 4px rgb(112, 195,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8318, 49.1288, 94.4141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 195, 246) }
```

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

```
.background{ background-color: rgb(112,  
195, 246) }
```

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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