

Converting Colors

XYZ(41.9555, 47.6322, 93.2089)

Have a look what the booklet for
XYZ(41.9555, 47.6322, 93.2089)
contains.

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Color

**XYZ(42.0132, 47.7366,
93.3860)**

Conversions

Conversions Part 1

Format	Color
Hex	70C0F5
RGB	112, 192, 245
RGB Percent	44%, 75%, 96%
CMY	0.5608, 0.2470, 0.0392
CMYK	0.54, 0.22, 0.00, 0.04
HSL	204°, 87%, 70%
HSV	204°, 54%, 96%
XYZ	42.0132, 47.7366, 93.3860
YIQ	174.1220, -64.6930, -0.4770

Conversions

Conversions Part 2

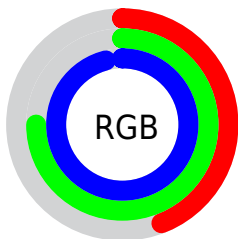
Format	Color
R _Y B	112, 162, 245
Decimal	7389429
CIE Lab	74.66, -9.89, -33.71
CIE LCh	75, 35.135, 253.649
Yxy	47.7366, 0.2294, 0.2607
Android (android.graphics.Color)	4285579509 (0xFF70C0F5)
YUV	174.1220, 34.9429, -54.4810
Hunter-Lab	69.0917, -12.3683, -31.7736

Details

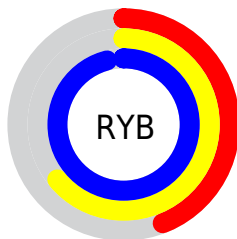
The XYZ color **42.0132, 47.7366, 93.3860** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **54.0377, 47.4948, 21.6505**, and the grayscale version is **40.1463, 42.2370, 45.9961**.

A 20% lighter version of the original color is **68.4120, 83.0127, 107.0251**, and **19.5446, 22.7202, 51.4994** is the 20% darker color. If you saturate the color by 10%, you get **37.2366, 42.1974, 92.5695**, and if you desaturate by 10%, it is **47.7832, 54.0008, 94.2919**.

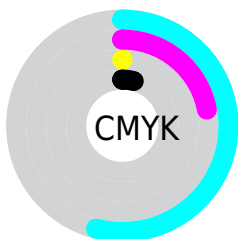
Distribution



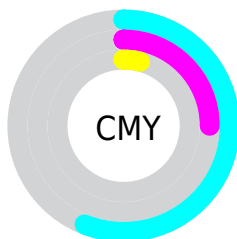
- Red (44%)
- Green (75%)
- Blue (96%)



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



- Cyan (54%)
- Magenta (22%)
- Yellow (0%)
- Black (4%)



- Cyan (56%)
- Magenta (25%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0132, 47.7366, 93.3860 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 42.0132, 47.7366, 93.3860 by changing the saturation by 10% instead.

■ 42.0132, 47.7366,
93.3860

■ 42.0132, 47.7366,
93.3860

345.5283,
377.7471, 559.8367

■ 29.3028, 33.6183,
70.2029

■ 77.4846, 86.8121,
154.0092

■ 19.4554, 22.6006,
51.2142

■ 100.9764,
112.5381, 192.2865

■ 12.1058, 14.2988,
36.0012

■ 128.7926,
142.9022, 236.4322

■ 6.8885, 8.3288,
24.1454

161.2986,
178.2887, 286.8649

■ 3.4382, 4.3061,
15.2283

198.8599,
219.0821, 344.0032

■ 1.3895, 1.8462,
8.8314

241.8417,

■ 0.2487, 0.5157,

265.6667, 408.2656

4.5361

290.6094,
318.4269, 480.0706

■ 0.0000, 0.0000,
1.9238

■ 0.0000, 0.0000,
0.5078

■ 42.0132, 47.7366,
93.3860

■ 42.0132, 47.7366,
93.3860

■ 37.2366, 42.1974,
92.5695

■ 47.7832, 54.0008,
94.2919

■ 33.3752, 37.3363,
91.8347

■ 54.6070, 61.0225,
95.2876

■ 30.3460, 33.1069,
91.1780

■ 62.5456, 68.8377,
96.3777

■ 28.0458, 29.4520,
90.5938

■ 71.6536, 77.4786,
97.5655

■ 26.9727, 27.5747,
90.2880

■ 81.9820, 86.9748,
98.8541

■ 92.0886, 96.5866,
100.1766

■ 93.4816, 99.3726,
100.6410

Harmonies

Analogous

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



37.0801, 47.7366, 80.1181



42.0132, 47.7366, 93.3860



48.3219, 47.7366, 94.0197

Triad

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



42.0132, 47.7366, 93.3860



58.3347, 47.7366, 44.1371



37.4380, 47.7366, 30.5164

Complementary

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



42.0132, 47.7366, 93.3860



54.0377, 47.4948, 21.6505

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.



42.5451, 47.7366, 24.8145



42.0132, 47.7366, 93.3860



54.8166, 47.7366, 31.3433

Square

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



42.0132, 47.7366, 93.3860



58.1582, 47.7366, 62.4823



48.9056, 47.7366, 25.0768



34.6126, 47.7366, 42.7207

Rectangle

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



42.0132, 47.7366, 93.3860



52.4971, 47.7366, 86.9553



48.9056, 47.7366, 25.0768



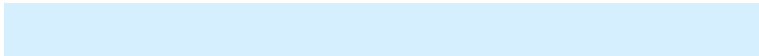
38.9230, 47.7366, 27.9184

Sweetspot

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



42.0148, 47.7383, 93.3872



76.6307, 83.1278, 106.6141



45.9455, 71.3946, 46.0036



15.9489, 17.3659, 22.7613



0.0000, 0.0000, 0.0000



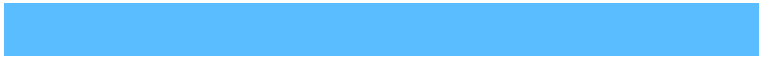
20.3446, 21.4041, 23.3091

Same Dimension

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



42.0148, 47.7383, 93.3872



40.3804, 45.7293, 101.3061



30.8216, 25.3520, 89.6561



16.4104, 17.5850, 21.0719



14.6696, 15.1331, 48.6858



1.3896, 1.5306, 4.3124

Inverse Universe

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



52.9663, 34.8084, 53.7979



54.0129, 32.1183, 51.4675



68.7354, 76.8902, 26.5497



16.9177, 16.6499, 19.3132



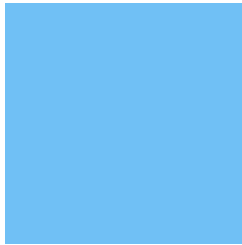
23.2091, 11.6271, 16.3412



2.0905, 1.0422, 1.7028

Previews

White Background



This preview shows how the XYZ color 42.0132, 47.7366, 93.3860 looks on a white background.

Color Contrast Check

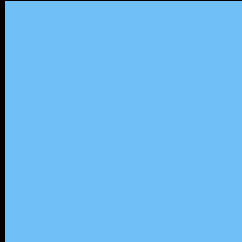
Large Text (above 18pt) WCAG AA × Fail

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 42.0132, 47.7366, 93.3860 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

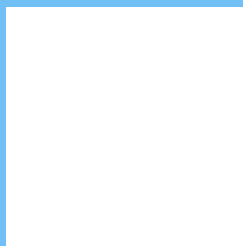
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.0132, 47.7366, 93.3860

Background



This preview shows how black text looks on a background with the XYZ color 42.0132, 47.7366, 93.3860.



This preview shows how white text looks on a background with the XYZ color 42.0132, 47.7366,

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

42.0132, 47.7366, 93.3860

Protanopia

47.9584, 47.4870, 86.7590

Deuteranopia

48.5744, 47.3123, 95.3790



Tritanopia

37.5872, 47.9525, 70.8930

Trichromacy



Original Color

42.0132, 47.7366, 93.3860

Protanomaly

45.2899, 47.2851, 89.1780

Deuteranomaly

45.6060, 47.0161, 94.6670

Tritanomaly

39.0395, 47.8592, 78.4143

Monochromacy



Original Color

42.0132, 47.7366, 93.3860

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

39.7117, 43.7972, 61.0043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0132, 47.7366, 93.3860 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, 192, 245)` looks like.

```
.text, #text, p{  
    color:rgb(112, 192, 245)  
}
```

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, 192, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 192, 245) }
```

Border

The CSS property to change the border of an element to XYZ 42.0132, 47.7366, 93.3860 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, 192, 245) }
```


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

```
.border{ border-color:rgb(112, 192, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 192, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 192, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 192, 245);  
box-shadow:4px 4px 4px 4px rgb(112, 192,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0132, 47.7366, 93.3860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 192, 245) }
```

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

```
.background{ background-color: rgb(112,  
192, 245) }
```

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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