

Converting Colors

XYZ(42.5031, 48.7057, 93.7012)

Have a look what the booklet for
XYZ(42.5031, 48.7057, 93.7012)
contains.

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Color

**XYZ(42.4553, 48.6209,
93.5333)**

Conversions

Conversions Part 1	
Format	Color
Hex	70C2F5
RGB	112, 194, 245
RGB Percent	44%, 76%, 96%
CMY	0.5608, 0.2392, 0.0392
CMYK	0.54, 0.21, 0.00, 0.04
HSL	203°, 87%, 70%
HSV	203°, 54%, 96%
XYZ	42.4553, 48.6209, 93.5333
YIQ	175.2960, -65.2430, -1.5230

Conversions

Conversions Part 2

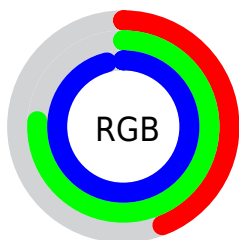
Format	Color
RYB	112, 163, 245
Decimal	7389941
CIELab	75.21, -10.96, -32.85
CIELCh	75, 34.634, 251.555
Yxy	48.6209, 0.2300, 0.2634
Android (android.graphics.Color)	4285580021 (0xFF70C2F5)
YUV	175.2960, 34.3641, -55.5106
Hunter-Lab	69.7287, -13.3430, -30.7209

Details

The XYZ color **42.4553, 48.6209, 93.5333** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **53.6795, 46.7787, 21.5310**, and the grayscale version is **40.7541, 42.8765, 46.6925**.

A 20% lighter version of the original color is **69.0302, 84.2491, 107.2312**, and **19.6901, 23.0111, 51.5479** is the 20% darker color. If you saturate the color by 10%, you get **37.7266, 43.1775, 92.7328**, and if you desaturate by 10%, it is **48.1674, 54.7694, 94.4199**.

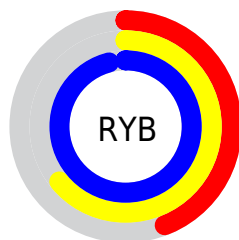
Distribution



Red (44%)

Green (76%)

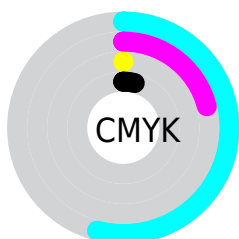
Blue (96%)



Red (44%)

Yellow (64%)

Blue (96%)

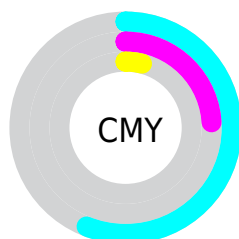


Cyan (54%)

Magenta (21%)

Yellow (0%)

Black (4%)



Cyan (56%)


Magenta (24%)

Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4553, 48.6209, 93.5333 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 42.4553, 48.6209, 93.5333 by changing the saturation by 10% instead.


 42.4553, 48.6209,
93.5333


 42.4553, 48.6209,
93.5333


347.3265,
381.2480, 560.3227


 29.6506, 34.3189,
70.3247


 78.1491, 88.1281,
154.2148

 19.7203, 23.1387,
51.3129


 101.7689,
114.1021, 192.5249

 12.2990, 14.6959,
36.0792


 129.7245,
144.7356, 236.7058

 7.0213, 8.6063,
24.2052

162.3812,
180.4128, 287.1761

 3.5219, 4.4853,
15.2723

200.1044,
221.5183, 344.3545

 1.4354, 1.9485,
8.8620

243.2595,

 0.2812, 0.5773,

268.4364, 408.6593

4.5557

292.2117,
321.5515, 480.5092

0.0000, 0.0000,
1.9349

0.0000, 0.0000,
0.5148

42.4553, 48.6209,
93.5333

42.4553, 48.6209,
93.5333

37.7266, 43.1775,
92.7328

48.1674, 54.7694,
94.4199

33.9034, 38.3927,
92.0107

54.9230, 61.6546,
95.3929

30.9030, 34.2209,
91.3636

62.7827, 69.3122,
96.4567

28.6225, 30.6054,
90.7860

71.8010, 77.7735,
97.6146

■ 27.5567, 28.7429,
90.4826

■ 82.0284, 87.0680,
98.8695

■ 92.0229, 96.4552,
100.1547

■ 93.4816, 99.3726,
100.6409

Harmonies

Analogous

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



37.6629, 48.6209, 79.6949



42.4553, 48.6209, 93.5333



48.7023, 48.6209, 95.1325

Triad

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



42.4553, 48.6209, 93.5333



59.2402, 48.6209, 46.2387



38.5758, 48.6209, 30.8429

Complementary

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



42.4553, 48.6209, 93.5333



53.6795, 46.7787, 21.5310

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.



43.8094, 48.6209, 25.5344



42.4553, 48.6209, 93.5333



55.9674, 48.6209, 32.9633

Square

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



42.4553, 48.6209, 93.5333



58.7930, 48.6209, 64.7954



50.1855, 48.6209, 26.2095



35.5686, 48.6209, 42.6266

Rectangle

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



42.4553, 48.6209, 93.5333



52.9028, 48.6209, 88.6876



50.1855, 48.6209, 26.2095



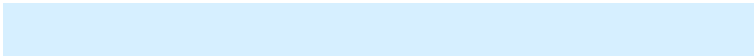
40.1118, 48.6209, 28.3786

Sweetspot

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



42.4569, 48.6227, 93.5345



76.8105, 83.4872, 106.6740



45.9454, 71.3945, 46.0035



15.9918, 17.4518, 22.7756



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.



42.4569, 48.6227, 93.5345



40.9211, 46.8107, 101.4863



30.8215, 25.3518, 89.6560



16.4319, 17.6282, 21.0791



14.9833, 15.7604, 48.7904



1.4161, 1.5836, 4.3213

Inverse Universe

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



53.1894, 34.8976, 54.9732



54.2859, 32.2275, 52.9047



68.7353, 76.8901, 26.5496



16.9286, 16.6543, 19.3706



23.3674, 11.6904, 17.1749



2.1038, 1.0475, 1.7732

Previews

White Background



This preview shows how the XYZ color 42.4553, 48.6209, 93.5333 looks on a white background.

Color Contrast Check

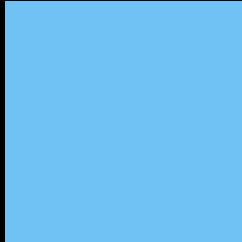
Large Text (above 18pt) WCAG AA × Fail

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 42.4553, 48.6209, 93.5333 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 42.4553, 48.6209, 93.5333

Background



This preview shows how black text looks on a background with the XYZ color 42.4553, 48.6209, 93.5333.



This preview shows how white text looks on a background with the XYZ color 42.4553, 48.6209,

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

42.4553, 48.6209, 93.5333

Protanopia

48.4458, 48.0581, 86.0796

Deuteranopia

49.6076, 48.4487, 95.5439



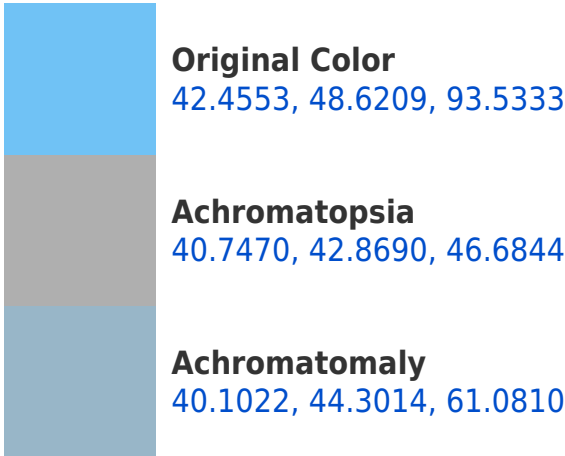
Tritanopia

38.0560, 48.5198, 71.6495

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4553, 48.6209, 93.5333 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, 194, 245)` looks like.

```
.text, #text, p{  
    color:rgb(112, 194, 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, 194, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 194, 245) }
```

Border

The CSS property to change the border of an element to XYZ 42.4553, 48.6209, 93.5333 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, 194, 245) }
```


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

```
.border{ border-color:rgb(112, 194, 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, 194, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 194, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 194, 245);  
box-shadow:4px 4px 4px 4px rgb(112, 194,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4553, 48.6209, 93.5333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 194, 245) }
```

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

```
.background{ background-color: rgb(112,  
194, 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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