

Converting Colors

XYZ(43.4848, 47.1253, 90.3433)

Have a look what the booklet for
XYZ(43.4848, 47.1253, 90.3433)
contains.

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Color

**XYZ(43.5333, 47.3039,
90.0552)**

Conversions

Conversions Part 1

Format	Color
Hex	85BCF1
RGB	133, 188, 241
RGB Percent	52%, 74%, 95%
CMY	0.4784, 0.2627, 0.0549
CMYK	0.45, 0.22, 0.00, 0.05
HSL	209°, 79%, 73%
HSV	209°, 45%, 95%
XYZ	43.5333, 47.3039, 90.0552
YIQ	177.5970, -49.7930, 4.8230

Conversions

Conversions Part 2

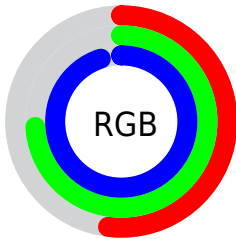
Format	Color
RYB	133, 169, 241
Decimal	8764657
CIELab	74.38, -4.17, -31.90
CIElCh	74, 32.173, 262.556
Yxy	47.3039, 0.2407, 0.2615
Android (android.graphics.Color)	4286954737 (0xFF85BCF1)
YUV	177.5970, 31.2577, -39.1116
Hunter-Lab	68.7778, -7.3787, -29.4877

Details

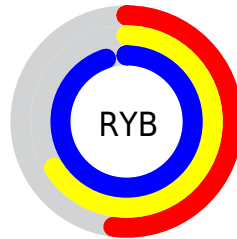
The XYZ color **43.5333, 47.3039, 90.0552** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.0695, 55.5136, 29.8467**, and the grayscale version is **41.9647, 44.1501, 48.0795**.

A 20% lighter version of the original color is **71.6359, 82.8685, 106.8274**, and **20.4014, 22.3672, 49.1410** is the 20% darker color. If you saturate the color by 10%, you get **37.7322, 40.7160, 89.0902**, and if you desaturate by 10%, it is **50.4174, 54.7595, 91.1323**.

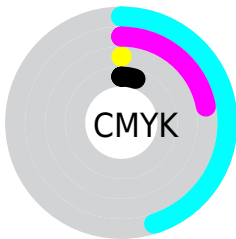
Distribution



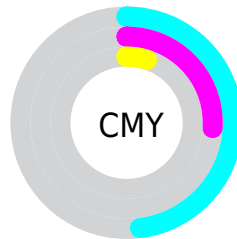
- Red (52%)
- Green (74%)
- Blue (95%)



- Red (52%)
- Yellow (66%)
- Blue (95%)



- Cyan (45%)
- Magenta (22%)
- Yellow (0%)
- Black (5%)





- Cyan (48%)
- Magenta (26%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.5333, 47.3039, 90.0552 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 43.5333, 47.3039, 90.0552 by changing the saturation by 10% instead.


 43.5333, 47.3039,
90.0552


 43.5333, 47.3039,
90.0552


351.6848,
376.0263, 548.7851


 30.5001, 33.2760,
67.4525

 79.7657, 86.1671,
149.3513

 20.3684, 22.3379,
48.9885


 103.6957,
111.7711, 186.8816

 12.7730, 14.1054,
34.2448


 131.9886,
142.0026, 230.2250

 7.3483, 8.1940,
22.8029

165.0098,
177.2460, 279.7999

 3.7291, 4.2194,
14.2441

203.1246,
217.8857, 336.0248

 1.5501, 1.7970,
8.1499

246.6985,

 0.3595, 0.4853,

264.3060, 399.3182

4.1019

296.0968,
316.8914, 470.0989

■ 0.0000, 0.0000,
1.6814

■ 0.0000, 0.0000,
0.3479

■ 43.5333, 47.3039,
90.0552

■ 43.5333, 47.3039,
90.0552

■ 37.7322, 40.7160,
89.0902

■ 50.4174, 54.7595,
91.1323

■ 32.9440, 34.9493,
88.2295

■ 58.4393, 63.1151,
92.3223

■ 29.0969, 29.9602,
87.4693

■ 67.6556, 72.4078,
93.6302

■ 26.1062, 25.6971,
86.8040

■ 78.1173, 82.6704,
95.0597

■ 23.8691, 22.0988,
86.2274

■ 89.8725, 93.9342,
96.6143

■ 22.9272, 20.4506,
85.9589

■ 92.8773, 99.1309,
97.4590

Harmonies

Analogous

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



38.5231, 47.3039, 81.2120



43.5333, 47.3039, 90.0552



49.3705, 47.3039, 86.9402

Triad

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



43.5333, 47.3039, 90.0552



56.0521, 47.3039, 40.2125



36.6844, 47.3039, 34.4435

Complementary

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



43.5333, 47.3039, 90.0552



58.0695, 55.5136, 29.8467

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.



40.8221, 47.3039, 27.3055



43.5333, 47.3039, 90.0552



52.0788, 47.3039, 30.1029

Square

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



43.5333, 47.3039, 90.0552



56.9350, 47.3039, 55.7501



46.4195, 47.3039, 25.9076



34.7957, 47.3039, 47.4827

Rectangle

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



43.5333, 47.3039, 90.0552



52.9229, 47.3039, 78.7591



46.4195, 47.3039, 25.9076



37.8405, 47.3039, 31.3999

Sweetspot

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



43.5349, 47.3057, 90.0563



78.9164, 84.3021, 106.7203



49.9077, 71.4096, 57.1644



16.3573, 17.5142, 22.7684



0.0000, 0.0000, 0.0000



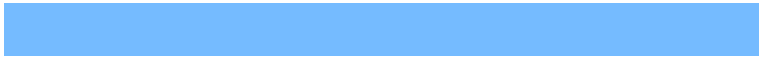
20.3446, 21.4041, 23.3091

Same Dimension

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



43.5349, 47.3057, 90.0563



43.2872, 46.7441, 101.3488



34.1878, 28.6114, 86.9406



15.5628, 16.5596, 20.0977



12.5683, 11.3608, 46.6583



1.1451, 1.1443, 3.9147

Inverse Universe

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



53.7416, 39.1083, 52.2949



56.6515, 37.6587, 51.5357



71.4354, 82.2454, 34.3020



16.1087, 15.8932, 18.1289



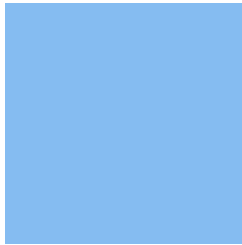
21.6695, 10.9402, 11.4421



1.8530, 0.9302, 1.2166

Previews

White Background



This preview shows how the XYZ color 43.5333, 47.3039, 90.0552 looks on a white background.

Color Contrast Check

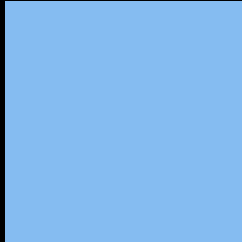
Large Text (above 18pt) WCAG AA × Fail

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 43.5333, 47.3039, 90.0552 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

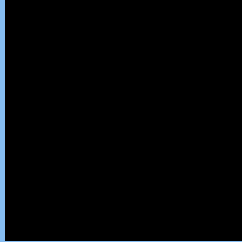
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.5333, 47.3039, 90.0552

Background



This preview shows how black text looks on a background with the XYZ color 43.5333, 47.3039, 90.0552.



This preview shows how white text looks on a background with the XYZ color 43.5333, 47.3039,

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

43.5333, 47.3039, 90.0552

Protanopia

47.4651, 46.9655, 85.1608

Deuteranopia

48.4353, 47.3291, 91.3766



Tritanopia

39.1126, 47.4721, 67.4232

Trichromacy



Original Color

43.5333, 47.3039, 90.0552

Protanomaly

45.7371, 46.9500, 86.7724

Deuteranomaly

46.4781, 47.2463, 90.6742

Tritanomaly

40.6532, 47.4318, 75.4192

Monochromacy



Original Color

43.5333, 47.3039, 90.0552

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.1709, 45.3543, 61.7900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.5333, 47.3039, 90.0552 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(133, 188, 241)` looks like.

```
.text, #text, p{  
    color:rgb(133, 188, 241)  
}
```

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(133, 188, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 188, 241) }
```

Border

The CSS property to change the border of an element to XYZ 43.5333, 47.3039, 90.0552 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(133, 188, 241) }
```


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

```
.border{ border-color:rgb(133, 188, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 188, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 188, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 188, 241);  
box-shadow:4px 4px 4px 4px rgb(133, 188,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 43.5333, 47.3039, 90.0552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 188, 241) }
```

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

```
.background{ background-color: rgb(133,  
188, 241) }
```

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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