

Converting Colors

XYZ(33.4204, 42.4394, 73.5153)

Have a look what the booklet for
XYZ(33.4204, 42.4394, 73.5153)
contains.

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Color

**XYZ(33.4419, 42.4586,
73.4506)**

Conversions

Conversions Part 1

Format	Color
Hex	48BCDB
RGB	72, 188, 219
RGB Percent	28%, 74%, 86%
CMY	0.7176, 0.2627, 0.1412
CMYK	0.67, 0.14, 0.00, 0.14
HSL	193°, 67%, 57%
HSV	193°, 67%, 86%
XYZ	33.4419, 42.4586, 73.4506
YIQ	156.8500, -79.0870, -14.9510

Conversions

Conversions Part 2

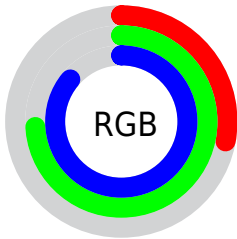
Format	Color
RYB	72, 137, 219
Decimal	4766939
CIELab	71.19, -22.82, -25.08
CIELCh	71, 33.910, 227.708
Yxy	42.4586, 0.2239, 0.2843
Android (android.graphics.Color)	4282957019 (0xFF48BCDB)
YUV	156.8500, 30.6400, -74.4134
Hunter-Lab	65.1603, -22.4197, -21.2213

Details

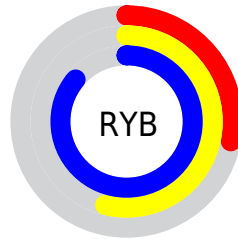
The XYZ color **33.4419, 42.4586, 73.4506** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **35.2348, 25.2303, 9.1453**, and the grayscale version is **31.8743, 33.5342, 36.5188**.

A 20% lighter version of the original color is **60.5540, 77.1556, 106.3087**, and **15.3648, 20.0083, 38.1741** is the 20% darker color. If you saturate the color by 10%, you get **31.1199, 39.8211, 73.0647**, and if you desaturate by 10%, it is **36.3794, 45.4620, 73.8763**.

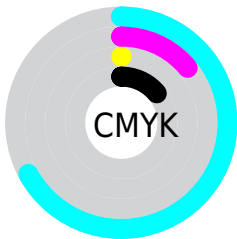
Distribution



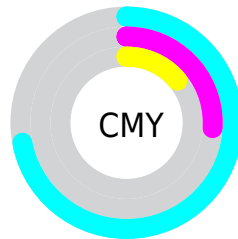
- Red (28%)
- Green (74%)
- Blue (86%)



- Red (28%)
- Yellow (54%)
- Blue (86%)



- Cyan (67%)
- Magenta (14%)
- Yellow (0%)
- Black (14%)



- Cyan (72%)
- Magenta (26%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4419, 42.4586, 73.4506 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 33.4419, 42.4586, 73.4506 by changing the saturation by 10% instead.

■ 33.4419, 42.4586,
73.4506

■ 33.4419, 42.4586,
73.4506

309.2662,
356.3805, 491.6876

■ 22.6260, 29.4606,
53.8504

■ 64.4149, 78.8932,
125.8435

■ 14.4368, 19.4295,
38.0897

■ 85.3028, 103.0986,
159.4734

■ 8.5088, 11.9810,
25.7500

■ 110.2787,
131.8085, 198.6168

■ 4.4767, 6.7308,
16.4126

■ 139.7079,
165.4074, 243.6925

■ 1.9752, 3.2943,
9.6591

173.9560,
204.2797, 295.1188

■ 0.6200, 1.2872,
5.0709

213.3881,

■ 0.0000, 0.1313,

248.8097, 353.3145

2.2294

258.3697,
299.3818, 418.6979

■ 0.0000, 0.0000,
0.6913

■ 0.0000, 0.0000,
0.0000

■ 33.4419, 42.4586,
73.4506

■ 33.4419, 42.4586,
73.4506

■ 31.1199, 39.8211,
73.0647

■ 36.3794, 45.4620,
73.8763

■ 29.3441, 37.5107,
72.7123

■ 39.9842, 48.8558,
74.3414

■ 28.0298, 35.4843,
72.3905

■ 44.3068, 52.6675,
74.8493

■ 27.6948, 34.9315,
72.3014

■ 49.3918, 56.9203,
75.4021

■ 55.2800, 61.6357,
76.0020

■ 62.0092, 66.8336,
76.6506

■ 69.6148, 72.5326,
77.3498

■ 78.1300, 78.7504,
78.1011

■ 82.2032, 82.7283,
78.6542

Harmonies

Analogous

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



30.8178, 42.4586, 56.4146



33.4419, 42.4586, 73.4506



38.0744, 42.4586, 84.0325

Triad

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



33.4419, 42.4586, 73.4506



51.9983, 42.4586, 53.2157



37.1231, 42.4586, 22.3721

Complementary

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



33.4419, 42.4586, 73.4506



35.2348, 25.2303, 9.1453

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.



42.7262, 42.4586, 21.9037



33.4419, 42.4586, 73.4506



51.6825, 42.4586, 37.3517

Square

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



33.4419, 42.4586, 73.4506



48.9881, 42.4586, 70.6405



48.1620, 42.4586, 26.7338



32.8020, 42.4586, 28.2114

Rectangle

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



33.4419, 42.4586, 73.4506



41.8387, 42.4586, 84.6812



48.1620, 42.4586, 26.7338



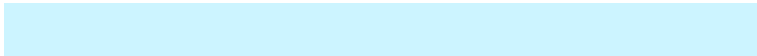
38.9080, 42.4586, 21.6407

Sweetspot

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



33.4433, 42.4601, 73.4516



75.3762, 84.9062, 107.0235



30.3740, 52.9893, 21.0440



15.6256, 17.7674, 22.8558



0.0000, 0.0000, 0.0000



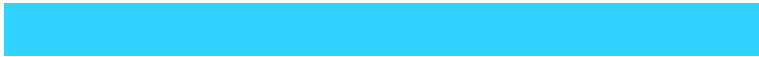
20.3446, 21.4041, 23.3091

Same Dimension

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



33.4433, 42.4601, 73.4516



42.6943, 54.6675, 102.9094



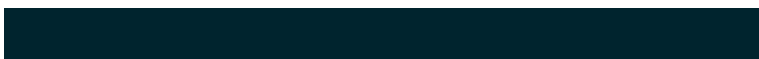
21.7172, 19.0080, 69.5429



13.1997, 14.3391, 16.7242



16.5034, 20.8763, 42.8981



1.1287, 1.4716, 2.7990

Inverse Universe

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



40.6091, 23.3271, 49.9407



54.1288, 28.1362, 64.4965



45.6950, 46.1507, 12.6321



13.4906, 13.2254, 15.8449



21.8255, 10.7312, 24.5249



1.4440, 0.7072, 1.7472

Previews

White Background



This preview shows how the XYZ color 33.4419, 42.4586, 73.4506 looks on a white background.

Color Contrast Check

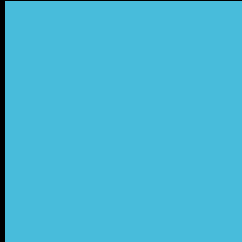
Large Text (above 18pt) WCAG AA × Fail

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 33.4419, 42.4586, 73.4506 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 33.4419, 42.4586, 73.4506

Background



This preview shows how black text looks on a background with the XYZ color 33.4419, 42.4586, 73.4506.

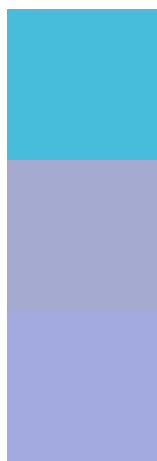


This preview shows how white text looks on a background with the XYZ color 33.4419, 42.4586,

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

33.4419, 42.4586, 73.4506

Protanopia

41.4651, 41.6792, 65.5340

Deuteranopia

42.7983, 41.8637, 75.6368



Tritanopia

31.6684, 42.3731, 64.9023

Trichromacy



Original Color

33.4419, 42.4586, 73.4506



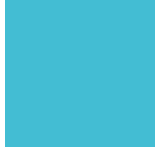
Protanomaly

36.9659, 41.0230, 68.2573



Deuteranomaly

38.1129, 41.4640, 75.1018



Tritanomaly

32.2702, 42.2916, 68.0903

Monochromacy



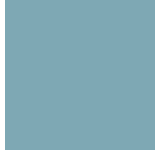
Original Color

33.4419, 42.4586, 73.4506



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

30.8450, 35.7362, 48.4521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4419, 42.4586, 73.4506 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(72, 188, 219)` looks like.

```
.text, #text, p{  
    color:rgb(72, 188, 219)  
}
```

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(72, 188, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 188, 219) }
```

Border

The CSS property to change the border of an element to XYZ 33.4419, 42.4586, 73.4506 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(72, 188, 219) }
```


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

```
.border{ border-color:rgb(72, 188, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 188, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 188, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 188, 219);  
box-shadow:4px 4px 4px 4px rgb(72, 188,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4419, 42.4586, 73.4506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 188, 219) }
```

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

```
.background{ background-color: rgb(72, 188,  
219) }
```

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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