

Converting Colors

XYZ(34.8479, 44.7428, 75.9083)

Have a look what the booklet for
XYZ(34.8479, 44.7428, 75.9083)
contains.

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Color

**XYZ(34.8533, 44.7534,
75.9086)**

Conversions

Conversions Part 1

Format	Color
Hex	47C1DE
RGB	71, 193, 222
RGB Percent	28%, 76%, 87%
CMY	0.7215, 0.2431, 0.1294
CMYK	0.68, 0.13, 0.00, 0.13
HSL	192°, 70%, 57%
HSV	192°, 68%, 87%
XYZ	34.8533, 44.7534, 75.9086
YIQ	159.8280, -82.0210, -16.8450

Conversions

Conversions Part 2

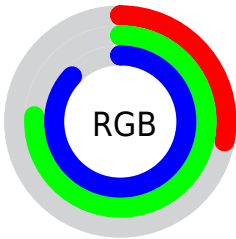
Format	Color
RYB	71, 138, 222
Decimal	4702686
CIELab	72.73, -24.57, -24.36
CIELCh	73, 34.600, 224.749
Yxy	44.7534, 0.2241, 0.2878
Android (android.graphics.Color)	4282892766 (0xFF47C1DE)
YUV	159.8280, 30.6508, -77.9022
Hunter-Lab	66.8980, -24.0744, -20.4473

Details

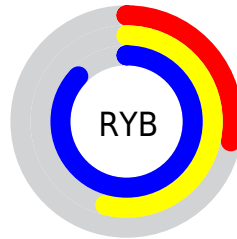
The XYZ color **34.8533, 44.7534, 75.9086** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **35.8202, 25.1007, 8.9198**, and the grayscale version is **33.2266, 34.9570, 38.0682**.

A 20% lighter version of the original color is **62.3889, 80.8255, 106.9204**, and **16.2077, 21.2553, 39.8077** is the 20% darker color. If you saturate the color by 10%, you get **32.5839, 42.2052, 75.5372**, and if you desaturate by 10%, it is **37.7472, 47.6656, 76.3190**.

Distribution



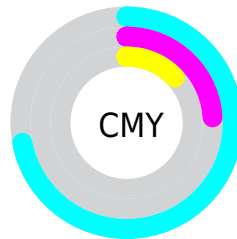
- Red (28%)
- Green (76%)
- Blue (87%)



- Red (28%)
- Yellow (54%)
- Blue (87%)



- Cyan (68%)
- Magenta (13%)
- Yellow (0%)
- Black (13%)



- Cyan (72%)
- Magenta (24%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8533, 44.7534, 75.9086 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 34.8533, 44.7534, 75.9086 by changing the saturation by 10% instead.

■ 34.8533, 44.7534,
75.9086

■ 34.8533, 44.7534,
75.9086

315.4397,
365.7739, 500.3733

■ 23.7159, 31.2632,
55.8514

■ 66.5940, 82.3502,
129.3566

■ 15.2466, 20.7994,
39.6806

■ 87.9279, 107.2257,
163.5844

■ 9.0801, 12.9774,
26.9777

■ 113.3914,
136.6650, 203.3729

■ 4.8510, 7.4130,
17.3242

■ 143.3498,
171.0527, 249.1405

■ 2.1939, 3.7217,
10.3015

178.1685,
210.7730, 301.3058

■ 0.7395, 1.5191,
5.4911

218.2128,

■ 0.0000, 0.3021,

256.2104, 360.2873

2.4745

263.8481,
307.7492, 426.5036

■ 0.0000, 0.0000,
0.8266

■ 0.0000, 0.0000,
0.0000

■ 34.8533, 44.7534,
75.9086

■ 34.8533, 44.7534,
75.9086

■ 32.5839, 42.2052,
75.5372

■ 37.7472, 47.6656,
76.3190

■ 30.8661, 39.9805,
75.1983

■ 41.3196, 50.9674,
76.7681

■ 29.6042, 38.0305,
74.8885

■ 45.6234, 54.6873,
77.2592

■ 29.3783, 37.6607,
74.8290

■ 50.7049, 58.8494,
77.7948

■ 56.6066, 63.4759,
78.3767

■ 63.3677, 68.5875,
79.0070

■ 71.0249, 74.2033,
79.6874

■ 79.6128, 80.3415,
80.4195

■ 83.1061, 83.8961,
80.9216

Harmonies

Analogous

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



32.3207, 44.7534, 57.6405



34.8533, 44.7534, 75.9086



39.5717, 44.7534, 88.0946

Triad

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



34.8533, 44.7534, 75.9086



54.6754, 44.7534, 57.9535



39.6647, 44.7534, 23.2385

Complementary

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



34.8533, 44.7534, 75.9086



35.8202, 25.1007, 8.9198

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.



45.6463, 44.7534, 23.2842



34.8533, 44.7534, 75.9086



54.7063, 44.7534, 40.7866

Square

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



34.8533, 44.7534, 75.9086



51.1930, 44.7534, 76.1837



51.2738, 44.7534, 28.9616



34.9158, 44.7534, 28.8174

Rectangle

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



34.8533, 44.7534, 75.9086



43.4998, 44.7534, 89.6632



51.2738, 44.7534, 28.9616



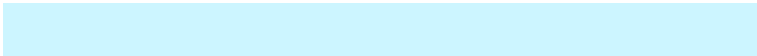
41.5880, 44.7534, 22.6479

Sweetspot

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



34.8547, 44.7550, 75.9097



75.6664, 85.4864, 107.1202



30.9582, 54.4781, 20.6108



15.6959, 17.9080, 22.8793



0.0000, 0.0000, 0.0000



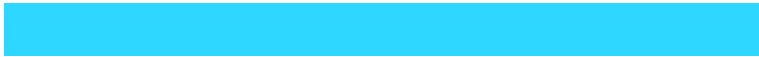
20.3446, 21.4041, 23.3091

Same Dimension

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



34.8547, 44.7550, 75.9097



43.4323, 56.3187, 103.1892



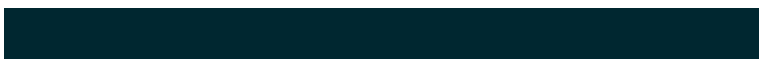
22.3600, 19.7656, 71.7448



13.8812, 15.1015, 17.5709



17.5281, 22.5257, 44.4724



1.2731, 1.6777, 3.1020

Inverse Universe

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



42.0044, 23.8878, 52.8506



54.4585, 28.1043, 66.7376



46.4345, 46.3293, 12.4579



14.1762, 13.8881, 16.6983



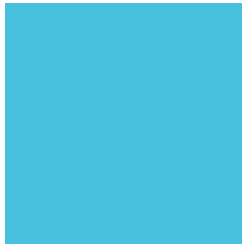
22.7876, 11.1820, 26.6108



1.6089, 0.7868, 1.9991

Previews

White Background



This preview shows how the XYZ color 34.8533, 44.7534, 75.9086 looks on a white background.

Color Contrast Check

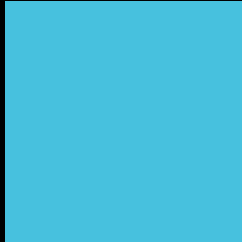
Large Text (above 18pt) WCAG AA × Fail

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 34.8533, 44.7534, 75.9086 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 34.8533, 44.7534, 75.9086

Background



This preview shows how black text looks on a background with the XYZ color 34.8533, 44.7534, 75.9086.

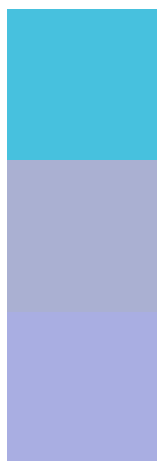


This preview shows how white text looks on a background with the XYZ color 34.8533, 44.7534,

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

34.8533, 44.7534, 75.9086

Protanopia

43.7358, 44.2499, 67.2087

Deuteranopia

45.2257, 44.1981, 78.0989



Tritanopia

33.3873, 44.8234, 68.5201

Trichromacy



Original Color

34.8533, 44.7534, 75.9086

Protanomaly

38.6971, 43.3793, 69.9518

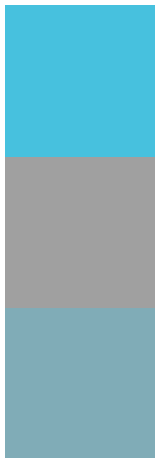
Deuteranomaly

39.7873, 43.4705, 77.5278

Tritanomaly

33.8723, 44.6832, 71.1294

Monochromacy



Original Color

34.8533, 44.7534, 75.9086

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.2019, 37.5131, 50.3433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8533, 44.7534, 75.9086 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(71, 193, 222)` looks like.

```
.text, #text, p{  
    color:rgb(71, 193, 222)  
}
```

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(71, 193, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 193, 222) }
```

Border

The CSS property to change the border of an element to XYZ 34.8533, 44.7534, 75.9086 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(71, 193, 222) }
```


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

```
.border{ border-color:rgb(71, 193, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 193, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 193, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 193, 222);  
box-shadow:4px 4px 4px 4px rgb(71, 193,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8533, 44.7534, 75.9086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 193, 222) }
```

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

```
.background{ background-color: rgb(71, 193,  
222) }
```

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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