

Converting Colors

XYZ(34.5408, 44.8930, 79.3752)

Have a look what the booklet for
XYZ(34.5408, 44.8930, 79.3752)
contains.

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Color

**XYZ(34.5222, 44.8334,
79.5073)**

Conversions

Conversions Part 1

Format	Color
Hex	33C2E3
RGB	51, 194, 227
RGB Percent	20%, 76%, 89%
CMY	0.7999, 0.2392, 0.1098
CMYK	0.78, 0.15, 0.00, 0.11
HSL	191°, 76%, 55%
HSV	191°, 78%, 89%
XYZ	34.5222, 44.8334, 79.5073
YIQ	155.0050, -95.8210, -20.0530

Conversions

Conversions Part 2

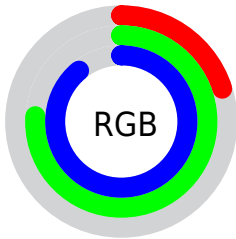
Format	Color
R _{YB}	51, 130, 227
Decimal	3392227
CIE _{Lab}	72.78, -25.94, -27.03
CIE _{LCh}	73, 37.459, 226.179
Yxy	44.8334, 0.2173, 0.2822
Android (android.graphics.Color)	4281582307 (0xFF33C2E3)
YUV	155.0050, 35.4935, -91.2124
Hunter-Lab	66.9577, -25.1447, -23.5320

Details

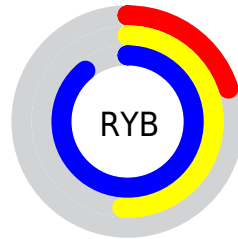
The XYZ color **34.5222, 44.8334, 79.5073** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **35.4483, 22.9132, 5.6881**, and the grayscale version is **31.0388, 32.6552, 35.5615**.

A 20% lighter version of the original color is **60.8594, 80.4994, 106.9381**, and **16.8245, 21.7347, 42.3382** is the 20% darker color. If you saturate the color by 10%, you get **32.7114, 42.5144, 79.1560**, and if you desaturate by 10%, it is **36.9208, 47.4974, 79.8959**.

Distribution



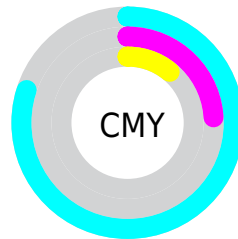
- Red (20%)
- Green (76%)
- Blue (89%)



- Red (20%)
- Yellow (51%)
- Blue (89%)



- Cyan (78%)
- Magenta (15%)
- Yellow (0%)
- Black (11%)





- Cyan (80%)
- Magenta (24%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5222, 44.8334, 79.5073 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 34.5222, 44.8334, 79.5073 by changing the saturation by 10% instead.


 34.5222, 44.8334,
79.5073


 34.5222, 44.8334,
79.5073


313.9994,
366.0984, 512.9338


 23.4598, 31.3262,
58.7892


 66.0838, 82.4704,
134.4779

 15.0560, 20.8474,
42.0246


 87.3138, 107.3689,
169.5676


 8.9453, 13.0125,
28.7948


 112.6637,
136.8334, 210.2848

 4.7623, 7.4371,
18.6814

 142.4989,
171.2482, 257.0481

 2.1418, 3.7370,
11.2658

 177.1847,
210.9977, 310.2762

 0.7118, 1.5275,
6.1295

217.0864,

 0.0000, 0.3080,

256.4663, 370.3874

2.8539

262.5696,
308.0384, 437.8005

■ 0.0000, 0.0000,
1.0205

■ 0.0000, 0.0000,
0.0000

■ 34.5222, 44.8334,
79.5073

■ 34.5222, 44.8334,
79.5073

■ 32.7114, 42.5144,
79.1560

■ 36.9208, 47.4974,
79.8959

■ 31.3871, 40.4855,
78.8342

■ 39.9747, 50.5389,
80.3221

■ 31.0966, 40.0088,
78.7575

■ 43.7466, 53.9915,
80.7897

■ 48.2904, 57.8833,
81.3014

■ 53.6550, 62.2397,
81.8595

■ 59.8848, 67.0842,
82.4662

■ 67.0212, 72.4382,
83.1235

■ 75.1029, 78.3220,
83.8333

■ 84.0495, 84.6944,
84.5917

Harmonies

Analogous

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



31.6891, 44.8334, 59.4979



34.5222, 44.8334, 79.5073



39.6927, 44.8334, 92.5410

Triad

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



34.5222, 44.8334, 79.5073



55.9557, 44.8334, 57.8878



39.2203, 44.8334, 21.8527

Complementary

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



34.5222, 44.8334, 79.5073



35.4483, 22.9132, 5.6881

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.



45.6727, 44.8334, 21.6301



34.5222, 44.8334, 79.5073



55.7961, 44.8334, 39.4957

Square

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



34.5222, 44.8334, 79.5073



52.2941, 44.8334, 78.0729



51.8779, 44.8334, 27.2554



34.2068, 44.8334, 27.9684

Rectangle

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



34.5222, 44.8334, 79.5073



43.9739, 44.8334, 93.8174



51.8779, 44.8334, 27.2554



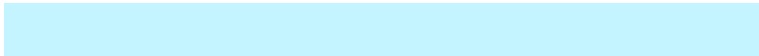
41.2801, 44.8334, 21.1516

Sweetspot

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



34.5237, 44.8350, 79.5084



73.2576, 83.7057, 106.9035



30.4076, 56.2719, 17.4993



15.0709, 17.4380, 22.8215



0.0000, 0.0000, 0.0000



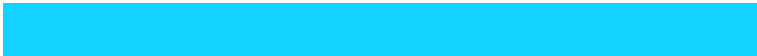
20.3446, 21.4041, 23.3091

Same Dimension

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



34.5237, 44.8350, 79.5084



41.4749, 53.7036, 102.7876



20.4624, 16.7125, 74.8213



14.5657, 15.8527, 18.4365



18.2161, 23.4944, 45.9579



1.4057, 1.8553, 3.4160

Inverse Universe

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



42.6014, 22.5953, 53.1564



53.1532, 26.3675, 63.6090



46.8913, 45.7991, 9.5025



14.8731, 14.5664, 17.5322



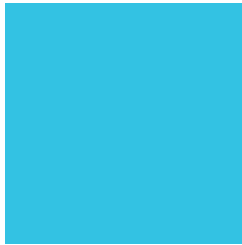
23.5882, 11.5695, 27.7900



1.7732, 0.8670, 2.2119

Previews

White Background



This preview shows how the XYZ color 34.5222, 44.8334, 79.5073 looks on a white background.

Color Contrast Check

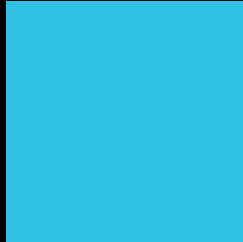
Large Text (above 18pt) WCAG AA × Fail

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 34.5222, 44.8334, 79.5073 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 34.5222, 44.8334, 79.5073

Background



This preview shows how black text looks on a background with the XYZ color 34.5222, 44.8334, 79.5073.



This preview shows how white text looks on a background with the XYZ color 34.5222, 44.8334,

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

34.5222, 44.8334, 79.5073

Protanopia

44.0251, 44.3407, 69.8566

Deuteranopia

45.0769, 44.0410, 81.7263



Tritanopia

32.3511, 44.6084, 69.1926

Trichromacy



Original Color

34.5222, 44.8334, 79.5073



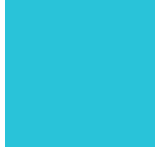
Protanomaly

38.3239, 43.4171, 73.3783



Deuteranomaly

39.1190, 43.0460, 81.1098



Tritanomaly

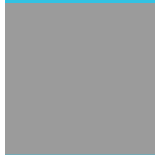
32.9539, 44.5114, 72.5003

Monochromacy



Original Color

34.5222, 44.8334, 79.5073



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.8646, 35.4940, 48.9931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5222, 44.8334, 79.5073 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(51, 194, 227)` looks like.

```
.text, #text, p{  
    color:rgb(51, 194, 227)  
}
```

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(51, 194, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 194, 227) }
```

Border

The CSS property to change the border of an element to XYZ 34.5222, 44.8334, 79.5073 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(51, 194, 227) }
```


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

```
.border{ border-color:rgb(51, 194, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 194, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 194, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 194, 227);  
box-shadow:4px 4px 4px 4px rgb(51, 194,  
227) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5222, 44.8334, 79.5073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 194, 227) }
```

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

```
.background{ background-color: rgb(51, 194,  
227) }
```

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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