

Converting Colors

XYZ(35.2201, 45.4197, 83.2925)

Have a look what the booklet for
XYZ(35.2201, 45.4197, 83.2925)
contains.

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Color

**XYZ(35.2073, 45.4373,
83.2586)**

Conversions

Conversions Part 1

Format	Color
Hex	2EC3E8
RGB	46, 195, 232
RGB Percent	18%, 76%, 91%
CMY	0.8195, 0.2353, 0.0902
CMYK	0.80, 0.16, 0.00, 0.09
HSL	192°, 80%, 55%
HSV	192°, 80%, 91%
XYZ	35.2073, 45.4373, 83.2586
YIQ	154.6670, -100.6810, -20.0810

Conversions

Conversions Part 2

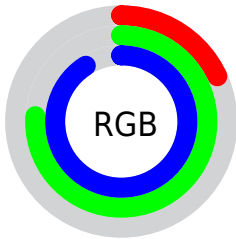
Format	Color
R _Y B	46, 129, 232
Decimal	3064808
CIE Lab	73.18, -25.30, -29.13
CIE LCh	73, 38.587, 229.023
Yxy	45.4373, 0.2148, 0.2772
Android (android.graphics.Color)	4281254888 (0xFF2EC3E8)
YUV	154.6670, 38.1252, -95.3010
Hunter-Lab	67.4072, -24.7307, -26.0475

Details

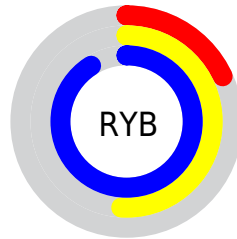
The XYZ color **35.2073, 45.4373, 83.2586** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **36.8669, 23.5421, 5.1874**, and the grayscale version is **30.8802, 32.4884, 35.3798**.

A 20% lighter version of the original color is **61.0288, 81.0518, 107.0357**, and **17.3613, 22.1843, 44.4413** is the 20% darker color. If you saturate the color by 10%, you get **33.4123, 43.0013, 82.8839**, and if you desaturate by 10%, it is **37.6012, 48.2312, 83.6726**.

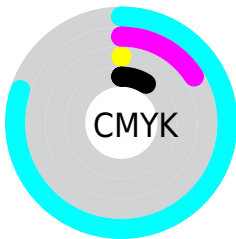
Distribution



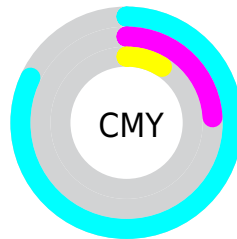
- Red (18%)
- Green (76%)
- Blue (91%)



- Red (18%)
- Yellow (51%)
- Blue (91%)



- Cyan (80%)
- Magenta (16%)
- Yellow (0%)
- Black (9%)



- Cyan (82%)
- Magenta (24%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.2073, 45.4373, 83.2586 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 35.2073, 45.4373, 83.2586 by changing the saturation by 10% instead.

35.2073, 45.4373,
83.2586

35.2073, 45.4373,
83.2586

316.9744,
368.5418, 525.8415

23.9899, 31.8020,
61.8617

67.1387, 83.3762,
139.7901

15.4508, 21.2103,
44.4859

88.5834, 108.4487,
175.7617

9.2247, 13.2778,
30.7127

114.1678,
138.1023, 217.4286

4.9463, 7.6201,
20.1235

144.2574,
172.7215, 265.2093

2.2502, 3.8529,
12.2999

179.2175,
212.6906, 319.5224

0.7690, 1.5916,
6.8232

219.4135,

0.0000, 0.3519,

258.3941, 380.7865

3.2750

265.2107,
310.2164, 449.4200

■ 0.0000, 0.0000,
1.2367

■ 0.0000, 0.0000,
0.0091

■ 35.2073, 45.4373,
83.2586

■ 35.2073, 45.4373,
83.2586

■ 33.4123, 43.0013,
82.8839


■ 37.6012, 48.2312,
83.6726


■ 32.0927, 40.8804,
82.5441


■ 40.6693, 51.4198,
84.1263


■ 44.4805, 55.0396,
84.6242


■ 49.0935, 59.1216,
85.1689

 54.5612, 63.6932,
85.7632

 60.9316, 68.7796,
86.4092

 68.2492, 74.4043,
87.1092

 76.5555, 80.5889,
87.8651

 85.8895, 87.3539,
88.6790

Harmonies

Analogous

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



32.0213, 45.4373, 62.6343



35.2073, 45.4373, 83.2586



40.7573, 45.4373, 95.7878

Triad

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



35.2073, 45.4373, 83.2586



57.2541, 45.4373, 56.9103



39.0848, 45.4373, 21.9540

Complementary

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



35.2073, 45.4373, 83.2586



36.8669, 23.5421, 5.1874

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.



45.7109, 45.4373, 21.1764



35.2073, 45.4373, 83.2586



56.6860, 45.4373, 38.2989

Square

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



35.2073, 45.4373, 83.2586



53.7687, 45.4373, 78.1388



52.2891, 45.4373, 26.3442



34.0932, 45.4373, 28.8474

Rectangle

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



35.2073, 45.4373, 83.2586



45.2587, 45.4373, 96.1308



52.2891, 45.4373, 26.3442



41.1791, 45.4373, 21.0514

Sweetspot

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



35.2088, 45.4389, 83.2597



72.2452, 82.6596, 106.7549



31.4365, 58.8760, 17.3187



14.8650, 17.2132, 22.7890



0.0000, 0.0000, 0.0000



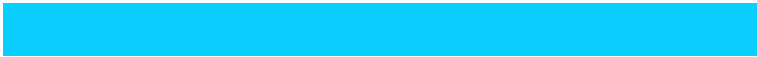
20.3446, 21.4041, 23.3091

Same Dimension

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



35.2088, 45.4389, 83.2597



40.3216, 51.5737, 102.4373



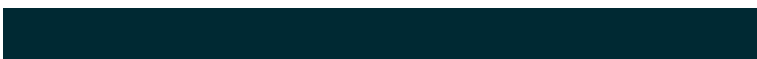
20.7356, 16.4925, 78.4353



14.5511, 15.8236, 18.4317



17.9072, 22.8766, 45.8550



1.3855, 1.8148, 3.4092

Inverse Universe

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



44.1074, 23.0515, 53.7561



52.5280, 25.9523, 60.8255



48.7364, 47.2811, 9.1439



14.8658, 14.5635, 17.4935



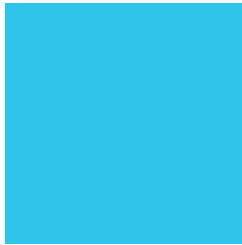
23.4323, 11.5071, 26.9690



1.7629, 0.8629, 2.1582

Previews

White Background



This preview shows how the XYZ color 35.2073, 45.4373, 83.2586 looks on a white background.

Color Contrast Check

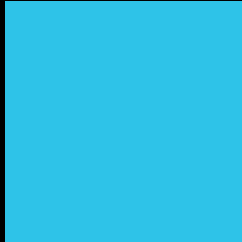
Large Text (above 18pt) WCAG AA × Fail

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 35.2073, 45.4373, 83.2586 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

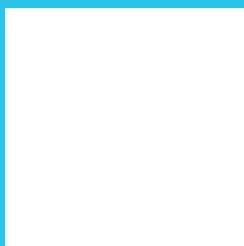
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.2073, 45.4373, 83.2586

Background



This preview shows how black text looks on a background with the XYZ color 35.2073, 45.4373, 83.2586.

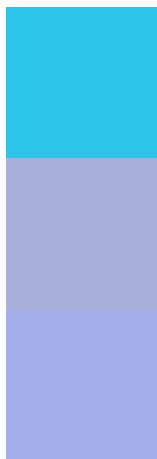


This preview shows how white text looks on a background with the XYZ color 35.2073, 45.4373,

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

35.2073, 45.4373, 83.2586

Protanopia

44.8705, 44.9938, 73.3376

Deuteranopia

45.9755, 44.9993, 85.6194



Tritanopia

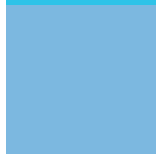
32.6409, 45.4026, 70.6616

Trichromacy



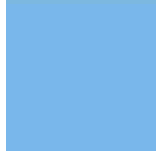
Original Color

35.2073, 45.4373, 83.2586



Protanomaly

38.9072, 43.9479, 76.9532



Deuteranomaly

39.8140, 43.9301, 84.9782



Tritanomaly

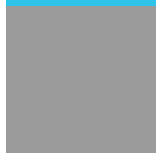
33.5528, 45.4290, 75.4069

Monochromacy



Original Color

35.2073, 45.4373, 83.2586



Achromatopsia

31.1553, 32.7778, 35.6950



Achromatomaly

29.9922, 35.8132, 50.1316

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2073, 45.4373, 83.2586 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(46, 195, 232)` looks like.

```
.text, #text, p{  
    color:rgb(46, 195, 232)  
}
```

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(46, 195, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 195, 232) }
```

Border

The CSS property to change the border of an element to XYZ 35.2073, 45.4373, 83.2586 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(46, 195, 232) }
```


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

```
.border{ border-color:rgb(46, 195, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 195, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 195, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 195, 232);  
box-shadow:4px 4px 4px 4px rgb(46, 195,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2073, 45.4373, 83.2586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 195, 232) }
```

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

```
.background{ background-color: rgb(46, 195,  
232) }
```

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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