

Converting Colors

XYZ(45.3774, 63.1551, 85.7222)

Have a look what the booklet for
XYZ(45.3774, 63.1551, 85.7222)
contains.

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Color

**XYZ(45.4236, 63.3446,
85.4340)**

Conversions

Conversions Part 1

Format	Color
Hex	4CE5E7
RGB	76, 229, 231
RGB Percent	30%, 90%, 91%
CMY	0.7019, 0.1019, 0.0941
CMYK	0.67, 0.01, 0.00, 0.09
HSL	181°, 76%, 60%
HSV	181°, 67%, 91%
XYZ	45.4236, 63.3446, 85.4340
YIQ	183.4810, -91.8300, -31.8140

Conversions

Conversions Part 2

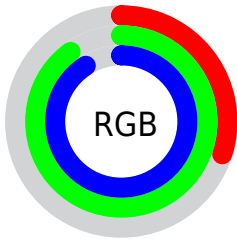
Format	Color
RYB	76, 153, 231
Decimal	5039591
CIELab	83.62, -38.49, -12.70
CIELCh	84, 40.536, 198.263
Yxy	63.3446, 0.2339, 0.3262
Android (android.graphics.Color)	4283229671 (0xFF4CE5E7)
YUV	183.4810, 23.4269, -94.2608
Hunter-Lab	79.5893, -37.4069, -7.9315

Details

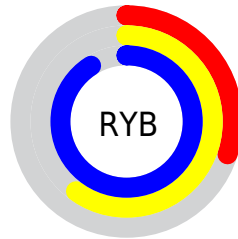
The XYZ color **45.4236, 63.3446, 85.4340** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **36.9853, 22.9610, 9.3218**, and the grayscale version is **45.1876, 47.5408, 51.7720**.

A 20% lighter version of the original color is **65.3116, 84.6693, 107.5083**, and **22.6814, 32.9823, 45.7282** is the 20% darker color. If you saturate the color by 10%, you get **43.8254, 62.3998, 85.3370**, and if you desaturate by 10%, it is **47.6843, 64.6339, 85.5649**.

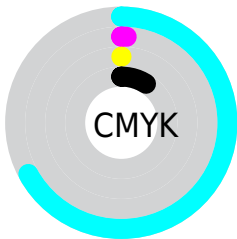
Distribution



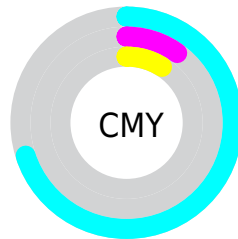
- Red (30%)
- Green (90%)
- Blue (91%)



- Red (30%)
- Yellow (60%)
- Blue (91%)



- Cyan (67%)
- Magenta (1%)
- Yellow (0%)
- Black (9%)





- Cyan (70%)
- Magenta (10%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4236, 63.3446, 85.4340 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 45.4236, 63.3446, 85.4340 by changing the saturation by 10% instead.


 45.4236, 63.3446,
85.4340


 45.4236, 63.3446,
85.4340


359.2414,
436.8190, 533.2451


 31.9939, 46.1200,
63.6478


 82.5889, 109.6665,
142.8589


 21.5124, 32.3406,
45.9211


 107.0551,
139.5327, 179.3348

 13.6136, 21.6218,
31.8354


 135.9310,
174.3815, 221.5442

 7.9323, 13.5792,
20.9720

 169.5818,
214.5973, 269.9059

 4.1031, 7.8286,
12.9125

208.3729,
260.5646, 324.8382

 1.7606, 3.9855,
7.2383

252.6696,

 0.4938, 1.6654,

312.6677, 386.7599

3.5309

302.8373,
371.2911, 456.0893

■ 0.0000, 0.4011,
1.3717

■ 0.0000, 0.0000,
0.1195

■ 45.4236, 63.3446,
85.4340

■ 45.4236, 63.3446,
85.4340

■ 43.8254, 62.3998,
85.3370

■ 47.6843, 64.6339,
85.5649

■ 42.8096, 61.7542,
85.2659


■ 50.6652, 66.2932,
85.7280


■ 42.2817, 61.3602,
85.2177


■ 54.4239, 68.3538,
85.9277


■ 42.1739, 61.2693,
85.2059


■ 59.0110, 70.8416,
86.1661

 64.4725, 73.7804,
86.4455

 70.8513, 77.1923,
86.7678

 78.1874, 81.0979,
87.1350

 84.3481, 84.3977,
87.4473

 84.4317, 84.5649,
87.4751

Harmonies

Analogous

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



45.0085, 63.3446, 59.5075



45.4236, 63.3446, 85.4340



49.5548, 63.3446, 112.2037

Triad

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



45.4236, 63.3446, 85.4340



73.8477, 63.3446, 106.8538



63.7426, 63.3446, 31.3574

Complementary

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



45.4236, 63.3446, 85.4340



36.9853, 22.9610, 9.3218

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.



72.2861, 63.3446, 38.5733



45.4236, 63.3446, 85.4340



78.4917, 63.3446, 79.3892

Square

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



45.4236, 63.3446, 85.4340



65.7101, 63.3446, 126.5119



77.8937, 63.3446, 54.7725



55.0203, 63.3446, 32.2158

Rectangle

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



45.4236, 63.3446, 85.4340



54.1107, 63.3446, 125.0009



77.8937, 63.3446, 54.7725



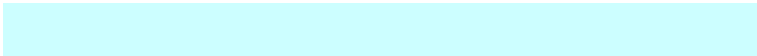
66.7451, 63.3446, 32.8292

Sweetspot

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



45.4255, 63.3470, 85.4355



78.5024, 91.1586, 108.0656



32.8624, 59.2116, 16.5361



16.3856, 19.2873, 23.1092



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.



45.4255, 63.3470, 85.4355



54.2066, 77.6921, 106.7468



28.8794, 30.2548, 79.9202



14.7907, 16.3028, 18.5115



23.6505, 34.3631, 47.7694



1.7528, 2.5496, 3.5317

Inverse Universe

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



49.6839, 27.8167, 76.8817



59.9396, 30.4606, 95.0961



45.7345, 40.4594, 12.2382



14.9867, 14.6119, 18.1303



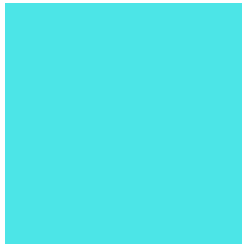
26.3312, 12.6667, 42.2345



1.9484, 0.9371, 3.1347

Previews

White Background



This preview shows how the XYZ color 45.4236, 63.3446, 85.4340 looks on a white background.

Color Contrast Check

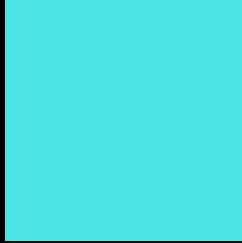
Large Text (above 18pt) WCAG AA × Fail

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 45.4236, 63.3446, 85.4340 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

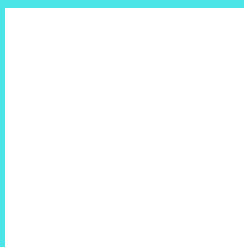
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.4236, 63.3446, 85.4340

Background



This preview shows how black text looks on a background with the XYZ color 45.4236, 63.3446, 85.4340.



This preview shows how white text looks on a background with the XYZ color 45.4236, 63.3446,

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

45.4236, 63.3446, 85.4340

Protanopia

60.6081, 62.5623, 74.5270

Deuteranopia

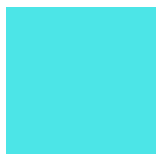
63.8472, 62.5016, 88.8197



Tritanopia

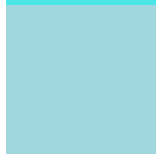
47.6067, 63.4156, 96.1175

Trichromacy



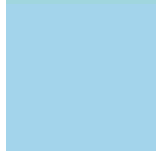
Original Color

45.4236, 63.3446, 85.4340



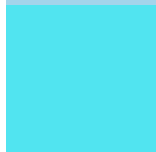
Protanomaly

51.7286, 60.8406, 78.1243



Deuteranomaly

53.6431, 60.8717, 87.5194



Tritanomaly

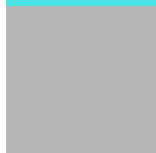
46.8649, 63.5274, 92.2301

Monochromacy



Original Color

45.4236, 63.3446, 85.4340



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

42.5812, 51.4080, 62.3220

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4236, 63.3446, 85.4340 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(76, 229, 231)` looks like.

```
.text, #text, p{  
    color:rgb(76, 229, 231)  
}
```

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(76, 229, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 229, 231) }
```

Border

The CSS property to change the border of an element to XYZ 45.4236, 63.3446, 85.4340 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(76, 229, 231) }
```


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

```
.border{ border-color:rgb(76, 229, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 229, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 229, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 229, 231);  
box-shadow:4px 4px 4px 4px rgb(76, 229,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4236, 63.3446, 85.4340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 229, 231) }
```

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

```
.background{ background-color: rgb(76, 229,  
231) }
```

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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