

Converting Colors

XYZ(34.4721, 45.3563, 78.8902)

Have a look what the booklet for
XYZ(34.4721, 45.3563, 78.8902)
contains.

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Color

**XYZ(34.5496, 45.5287,
78.9185)**

Conversions

Conversions Part 1

Format	Color
Hex	2DC4E2
RGB	45, 196, 226
RGB Percent	18%, 77%, 89%
CMY	0.8235, 0.2314, 0.1137
CMYK	0.80, 0.13, 0.00, 0.11
HSL	190°, 76%, 53%
HSV	190°, 80%, 89%
XYZ	34.5496, 45.5287, 78.9185
YIQ	154.2710, -99.6260, -22.6820

Conversions

Conversions Part 2

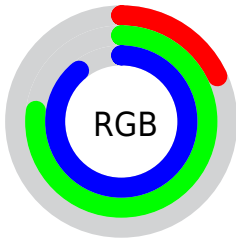
Format	Color
RYB	45, 127, 226
Decimal	2999522
CIELab	73.24, -27.81, -25.79
CIElCh	73, 37.931, 222.845
Yxy	45.5287, 0.2173, 0.2863
Android (android.graphics.Color)	4281189602 (0xFF2DC4E2)
YUV	154.2710, 35.3624, -95.8307
Hunter-Lab	67.4750, -26.6828, -22.1129

Details

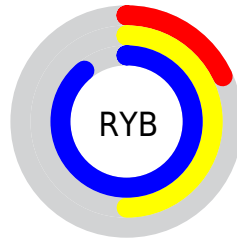
The XYZ color **34.5496, 45.5287, 78.9185** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **34.3556, 21.3929, 4.8028**, and the grayscale version is **30.7177, 32.3175, 35.1937**.

A 20% lighter version of the original color is **61.0604, 81.5355, 107.1274**, and **17.0237, 22.2863, 41.9325** is the 20% darker color. If you saturate the color by 10%, you get **32.9738, 43.4784, 78.6067**, and if you desaturate by 10%, it is **36.6810, 47.8985, 79.2645**.

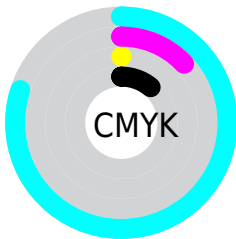
Distribution



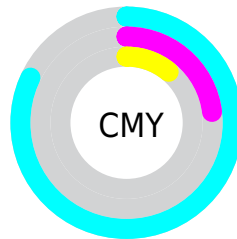
- Red (18%)
- Green (77%)
- Blue (89%)



- Red (18%)
- Yellow (50%)
- Blue (89%)



- Cyan (80%)
- Magenta (13%)
- Yellow (0%)
- Black (11%)



- Cyan (82%)
- Magenta (23%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5496, 45.5287, 78.9185 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 34.5496, 45.5287, 78.9185 by changing the saturation by 10% instead.

■ 34.5496, 45.5287,
78.9185

■ 34.5496, 45.5287,
78.9185

314.1188,
368.9106, 510.8909

■ 23.4810, 31.8741,
58.3079

■ 66.1261, 83.5132,
133.6417

■ 15.0717, 21.2653,
41.6399

■ 87.3647, 108.6119,
168.5915

■ 8.9564, 13.3181,
28.4960

■ 112.7240,
138.2940, 209.1579

■ 4.7696, 7.6479,
18.4576

■ 142.5694,
172.9440, 255.7597

■ 2.1461, 3.8705,
11.1062

■ 177.2662,
212.9463, 308.8154

■ 0.7141, 1.6014,
6.0232

217.1798,

■ 0.0000, 0.3585,

258.6852, 368.7434

2.7902

262.6755,
310.5452, 435.9624

■ 0.0000, 0.0000,
0.9885

■ 0.0000, 0.0000,
0.0000

■ 34.5496, 45.5287,
78.9185

■ 34.5496, 45.5287,
78.9185

■ 32.9738, 43.4784,
78.6067

■ 36.6810, 47.8985,
79.2645

■ 31.8266, 41.6890,
78.3218

■ 39.4382, 50.6215,
79.6447

■ 42.8854, 53.7320,
80.0634

■ 47.0776, 57.2586,
80.5232

■ 52.0641, 61.2269,
81.0263

■ 57.8900, 65.6602,
81.5750

■ 64.5967, 70.5803,
82.1712

■ 72.2231, 76.0073,
82.8167

■ 80.8056, 81.9603,
83.5134

Harmonies

Analogous

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



31.9536, 45.5287, 58.1789



34.5496, 45.5287, 78.9185



39.6064, 45.5287, 93.5062

Triad

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



34.5496, 45.5287, 78.9185



56.6949, 45.5287, 61.1927



40.4895, 45.5287, 21.7303

Complementary

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



34.5496, 45.5287, 78.9185



34.3556, 21.3929, 4.8028

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.



47.1606, 45.5287, 22.1447



34.5496, 45.5287, 78.9185



56.9938, 45.5287, 41.8606

Square

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



34.5496, 45.5287, 78.9185



52.5761, 45.5287, 81.6067



53.3550, 45.5287, 28.5871



35.1388, 45.5287, 27.2575

Rectangle

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



34.5496, 45.5287, 78.9185



43.9122, 45.5287, 95.9484



53.3550, 45.5287, 28.5871



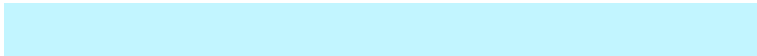
42.6413, 45.5287, 21.2308

Sweetspot

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



34.5511, 45.5303, 78.9196



72.8557, 83.8805, 106.9584



29.4547, 55.4217, 15.3041



15.0137, 17.5106, 22.8385



0.0000, 0.0000, 0.0000



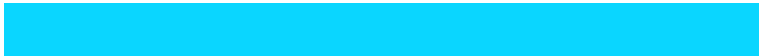
20.3446, 21.4041, 23.3091

Same Dimension

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



34.5511, 45.5303, 78.9196



42.3316, 55.5936, 103.1073



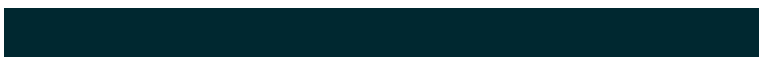
20.2114, 16.8509, 74.1397



13.9131, 15.1653, 17.5816



18.2319, 23.9335, 44.7071



1.3158, 1.7631, 3.1162

Inverse Universe

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



42.2676, 22.0327, 54.2511



53.5425, 26.3581, 66.1680



44.8748, 42.4312, 8.3092



14.1923, 13.8946, 16.7831



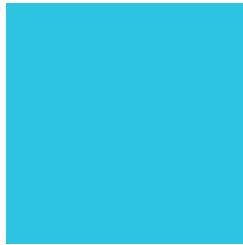
23.1428, 11.3241, 28.4817



1.6304, 0.7954, 2.1127

Previews

White Background



This preview shows how the XYZ color 34.5496, 45.5287, 78.9185 looks on a white background.

Color Contrast Check

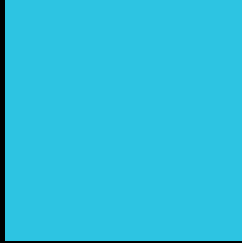
Large Text (above 18pt) WCAG AA × Fail

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 34.5496, 45.5287, 78.9185 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

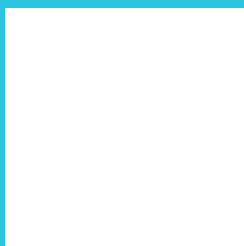
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.5496, 45.5287, 78.9185

Background



This preview shows how black text looks on a background with the XYZ color 34.5496, 45.5287, 78.9185.

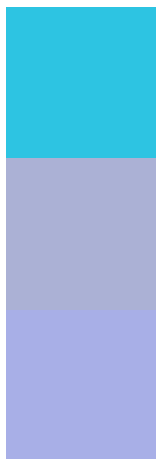


This preview shows how white text looks on a background with the XYZ color 34.5496, 45.5287,

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

34.5496, 45.5287, 78.9185

Protanopia

44.5270, 44.9063, 69.2717

Deuteranopia

45.9022, 44.7543, 81.8204



Tritanopia

32.8968, 45.5345, 70.6735

Trichromacy



Original Color

34.5496, 45.5287, 78.9185



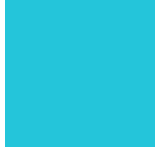
Protanomaly

38.2528, 43.7029, 72.7490



Deuteranomaly

39.2447, 43.7351, 80.5020



Tritanomaly

33.3487, 45.3695, 73.3292

Monochromacy



Original Color

34.5496, 45.5287, 78.9185



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

29.3656, 35.2486, 48.4360

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5496, 45.5287, 78.9185 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(45, 196, 226)` looks like.

```
.text, #text, p{  
    color:rgb(45, 196, 226)  
}
```

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(45, 196, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 196, 226) }
```

Border

The CSS property to change the border of an element to XYZ 34.5496, 45.5287, 78.9185 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(45, 196, 226) }
```


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

```
.border{ border-color:rgb(45, 196, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 196, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 196, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 196, 226);  
box-shadow:4px 4px 4px 4px rgb(45, 196,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5496, 45.5287, 78.9185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 196, 226) }
```

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

```
.background{ background-color: rgb(45, 196,  
226) }
```

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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