

Converting Colors

XYZ(34.0162, 44.5841, 81.0236)

Have a look what the booklet for
XYZ(34.0162, 44.5841, 81.0236)
contains.

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Color

**XYZ(33.9701, 44.5167,
80.9309)**

Conversions

Conversions Part 1

Format	Color
Hex	1EC2E5
RGB	30, 194, 229
RGB Percent	12%, 76%, 90%
CMY	0.8822, 0.2392, 0.1020
CMYK	0.87, 0.15, 0.00, 0.10
HSL	191°, 79%, 51%
HSV	191°, 87%, 90%
XYZ	33.9701, 44.5167, 80.9309
YIQ	148.9540, -108.9790, -23.8830

Conversions

Conversions Part 2

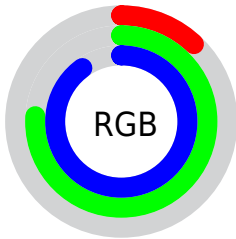
Format	Color
R _Y B	30, 120, 229
Decimal	2015973
CIE Lab	72.57, -26.95, -28.46
CIE LCh	73, 39.190, 226.562
Yxy	44.5167, 0.2131, 0.2792
Android (android.graphics.Color)	4280206053 (0xFF1EC2E5)
YUV	148.9540, 39.4627, -104.3227
Hunter-Lab	66.7208, -25.8804, -25.2129

Details

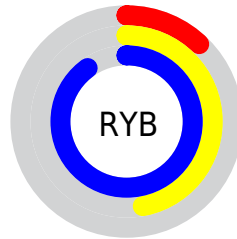
The XYZ color **33.9701, 44.5167, 80.9309** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **34.4400, 20.5358, 3.3788**, and the grayscale version is **28.4239, 29.9041, 32.5656**.

A 20% lighter version of the original color is **59.6174, 79.8592, 106.8799**, and **16.9209, 21.7733, 42.8460** is the 20% darker color. If you saturate the color by 10%, you get **32.6401, 42.5190, 80.6163**, and if you desaturate by 10%, it is **35.8085, 46.8142, 81.2783**.

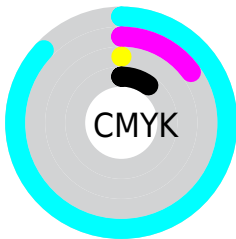
Distribution



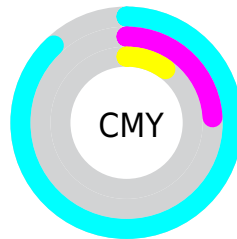
- Red (12%)
- Green (76%)
- Blue (90%)



- Red (12%)
- Yellow (47%)
- Blue (90%)



- Cyan (87%)
- Magenta (15%)
- Yellow (0%)
- Black (10%)



- Cyan (88%)
- Magenta (24%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9701, 44.5167, 80.9309 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 33.9701, 44.5167, 80.9309 by changing the saturation by 10% instead.

33.9701, 44.5167,
80.9309

33.9701, 44.5167,
80.9309

311.5870,
364.8126, 517.8538

23.0334, 31.0769,
59.9540

65.2318, 81.9947,
136.4969

14.7390, 20.6574,
42.9565

86.2875, 106.8017,
171.9232

8.7215, 12.8738,
29.5199

111.4469,
136.1666, 213.0030

4.6157, 7.3417,
19.2255

141.0753,
170.4737, 260.1548

2.0560, 3.6767,
11.6549

175.5382,
210.1075, 313.7973

0.6651, 1.4944,
6.3894

215.2009,

0.0000, 0.2848,

255.4523, 374.3489

3.0107

260.4287,
306.8925, 442.2282

■ 0.0000, 0.0000,
1.1001

■ 0.0000, 0.0000,
0.0000

■ 33.9701, 44.5167,
80.9309

■ 33.9701, 44.5167,
80.9309

■ 32.6401, 42.5190,
80.6163

■ 35.8085, 46.8142,
81.2783

■ 32.2806, 41.9323,
80.5220

■ 38.2441, 49.4552,
81.6597

■ 41.3511, 52.4789,
82.0796

■ 45.1915, 55.9175,
82.5409

■ 49.8199, 59.7996,
83.0463

■ 55.2858, 64.1509,
83.5981

■ 61.6346, 68.9950,
84.1985

■ 68.9082, 74.3538,
84.8495

■ 77.1458, 80.2478,
85.5530

Harmonies

Analogous

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



31.0108, 44.5167, 59.9056



33.9701, 44.5167, 80.9309



39.3553, 44.5167, 94.5801

Triad

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



33.9701, 44.5167, 80.9309



56.2926, 44.5167, 57.6710



38.7051, 44.5167, 20.7791

Complementary

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



33.9701, 44.5167, 80.9309



34.4400, 20.5358, 3.3788

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.



45.4127, 44.5167, 20.4812



33.9701, 44.5167, 80.9309



56.0705, 44.5167, 38.5929

Square

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



33.9701, 44.5167, 80.9309



52.4960, 44.5167, 78.9232



51.9182, 44.5167, 26.1100



33.5381, 44.5167, 27.0739

Rectangle

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



33.9701, 44.5167, 80.9309



43.8184, 44.5167, 95.7990



51.9182, 44.5167, 26.1100



40.8401, 44.5167, 20.0466

Sweetspot

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



33.9716, 44.5183, 80.9320



71.1138, 82.3042, 106.7459



29.4584, 56.6767, 14.1176



14.6681, 17.1839, 22.7937



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.



33.9716, 44.5183, 80.9320



41.1327, 53.3854, 102.7442



18.8944, 14.3638, 75.9063



14.5805, 15.8824, 18.4415



18.5358, 24.1338, 46.0645



1.4265, 1.8970, 3.4229

Inverse Universe

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



42.5163, 21.4833, 52.9462



52.8911, 25.9204, 63.2838



45.5881, 42.8318, 7.0948



14.8806, 14.5694, 17.5716



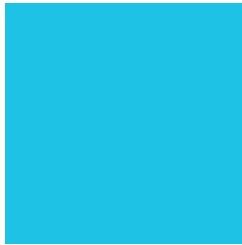
23.7495, 11.6340, 28.6397



1.7837, 0.8712, 2.2674

Previews

White Background



This preview shows how the XYZ color 33.9701, 44.5167, 80.9309 looks on a white background.

Color Contrast Check

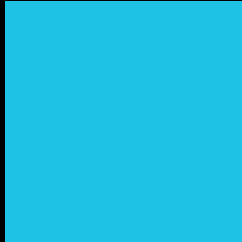
Large Text (above 18pt) WCAG AA × Fail

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 33.9701, 44.5167, 80.9309 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 33.9701, 44.5167, 80.9309

Background



This preview shows how black text looks on a background with the XYZ color 33.9701, 44.5167, 80.9309.



This preview shows how white text looks on a background with the XYZ color 33.9701, 44.5167,

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

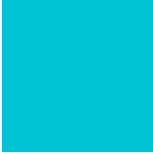
33.9701, 44.5167, 80.9309

Protanopia

43.5321, 43.7817, 70.4463

Deuteranopia

45.0916, 43.9991, 83.9580



Tritanopia

31.6236, 44.2333, 69.1585

Trichromacy



Original Color

33.9701, 44.5167, 80.9309



Protanomaly

36.9823, 42.4051, 73.9460



Deuteranomaly

38.1596, 42.5188, 82.5397



Tritanomaly

32.3080, 44.1633, 73.1512

Monochromacy



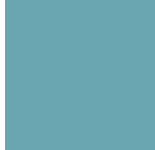
Original Color

33.9701, 44.5167, 80.9309



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

27.4349, 33.1888, 47.0796

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9701, 44.5167, 80.9309 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(30, 194, 229)` looks like.

```
.text, #text, p{  
    color:rgb(30, 194, 229)  
}
```

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(30, 194, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 194, 229) }
```

Border

The CSS property to change the border of an element to XYZ 33.9701, 44.5167, 80.9309 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(30, 194, 229) }
```


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

```
.border{ border-color:rgb(30, 194, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 194, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 194, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 194, 229);  
box-shadow:4px 4px 4px 4px rgb(30, 194,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9701, 44.5167, 80.9309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 194, 229) }
```

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

```
.background{ background-color: rgb(30, 194,  
229) }
```

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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