

# Converting Colors

XYZ(34.6251, 45.0682, 80.8326)

Have a look what the booklet for  
XYZ(34.6251, 45.0682, 80.8326)  
contains.

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# Color

**XYZ(34.7402, 45.2452,  
81.0309)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2DC3E5
RGB	45, 195, 229
RGB Percent	18%, 76%, 90%
CMY	0.8235, 0.2353, 0.1020
CMYK	0.80, 0.15, 0.00, 0.10
HSL	191°, 78%, 54%
HSV	191°, 80%, 90%
XYZ	34.7402, 45.2452, 81.0309
YIQ	154.0260, -100.3140, -21.2260

# Conversions

## Conversions Part 2

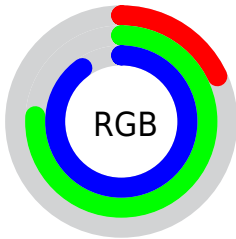
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	45, 128, 229
Decimal	2999269
CIE <sub>Lab</sub>	73.05, -26.36, -27.70
CIE <sub>LCh</sub>	73, 38.237, 226.427
Yxy	45.2452, 0.2158, 0.2810
Android (android.graphics.Color)	4281189349 (0xFF2DC3E5)
YUV	154.0260, 36.9622, -95.6158
Hunter-Lab	67.2646, -25.5229, -24.3391

# Details

The XYZ color **34.7402, 45.2452, 81.0309** 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 **35.5848, 22.4424, 4.9408**, and the grayscale version is **30.6040, 32.1978, 35.0634**.

A 20% lighter version of the original color is **60.8864, 80.9784, 107.0291**, and **17.0677, 22.0669, 42.8949** is the 20% darker color. If you saturate the color by 10%, you get **33.0573, 42.9908, 80.6853**, and if you desaturate by 10%, it is **36.9986, 47.8380, 81.4132**.

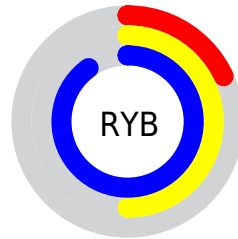
# Distribution



Red (18%)

Green (76%)

Blue (90%)



Red (18%)

Yellow (50%)

Blue (90%)

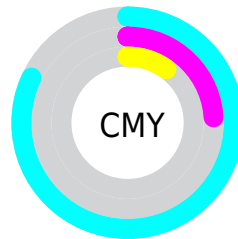


Cyan (80%)

Magenta (15%)

Yellow (0%)

Black (10%)



Cyan (82%)

Magenta (24%)

Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.7402, 45.2452, 81.0309 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 34.7402, 45.2452, 81.0309 by changing the saturation by 10% instead.



34.7402, 45.2452,  
81.0309

34.7402, 45.2452,  
81.0309

314.9482,  
367.7657, 518.1984

23.6284, 31.6506,  
60.0359

66.4198, 83.0882,  
136.6386

15.1814, 21.0948,  
43.0221

87.7183, 108.1055,  
172.0884

9.0340, 13.1933,  
29.5709

113.1430,  
137.6990, 213.1936

4.8206, 7.5618,  
19.2638

143.0594,  
172.2533, 260.3726

2.1761, 3.8158,  
11.6823

177.8327,  
212.1528, 314.0440

0.7301, 1.5711,  
6.4079

217.8284,

0.0000, 0.3380,

257.7817, 374.6265

3.0219

263.4118,  
309.5246, 442.5384

■ 0.0000, 0.0000,  
1.1058

■ 0.0000, 0.0000,  
0.0000

■ 34.7402, 45.2452,  
81.0309

■ 34.7402, 45.2452,  
81.0309

■ 33.0573, 42.9908,  
80.6853

■ 36.9986, 47.8380,  
81.4132

■ 31.8462, 41.0636,  
80.3772

■ 39.9058, 50.8045,  
81.8326

■ 43.5283, 54.1804,  
82.2933

■ 47.9232, 57.9953,  
82.7980

■ 53.1416, 62.2759,  
83.3492

■ 59.2303, 67.0465,  
83.9491

■ 66.2322, 72.3298,  
84.5998

■ 74.1875, 78.1466,  
85.3033

■ 83.1340, 84.5168,  
86.0613

# Harmonies

## Analogous

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



31.8175, 45.2452, 60.4232



34.7402, 45.2452, 81.0309



40.0581, 45.2452, 94.4027

# Triad

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



34.7402, 45.2452, 81.0309



56.7457, 45.2452, 58.4167



39.4712, 45.2452, 21.7223

# Complementary

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



34.7402, 45.2452, 81.0309



35.5848, 22.4424, 4.9408

# 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.



46.0913, 45.2452, 21.4485



34.7402, 45.2452, 81.0309



56.5466, 45.2452, 39.5716

# Square

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



34.7402, 45.2452, 81.0309



53.0033, 45.2452, 79.2379



52.4847, 45.2452, 27.1203



34.3490, 45.2452, 28.0004



# Rectangle

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



34.7402, 45.2452, 81.0309



44.4589, 45.2452, 95.6370



52.4847, 45.2452, 27.1203



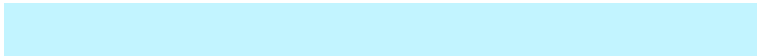
41.5816, 45.2452, 20.9942

# Sweetspot

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



34.7417, 45.2468, 81.0320



72.5045, 83.1782, 106.8413



30.5048, 57.1584, 16.7743



14.9281, 17.3395, 22.8100



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

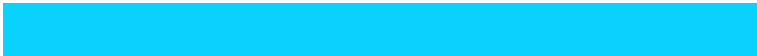


# Same Dimension

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



34.7417, 45.2468, 81.0320



41.1657, 53.2618, 102.7186



20.1042, 15.9718, 76.1529



14.5691, 15.8597, 18.4377



18.2904, 23.6428, 45.9827



1.4105, 1.8650, 3.4176



# Inverse Universe

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



43.1032, 22.4767, 53.6978



52.9540, 26.1227, 63.0689



47.3014, 45.8756, 8.8464



14.8749, 14.5671, 17.5414



23.6256, 11.5845, 27.9873

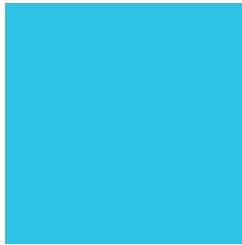


1.7756, 0.8680, 2.2248



# Previews

## White Background



This preview shows how the XYZ color 34.7402, 45.2452, 81.0309 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

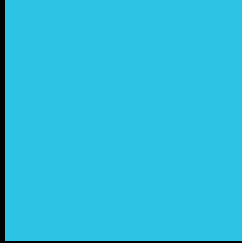
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.7402, 45.2452, 81.0309 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

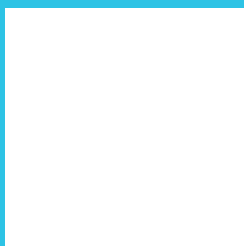
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.7402, 45.2452, 81.0309**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.7402, 45.2452, 81.0309.



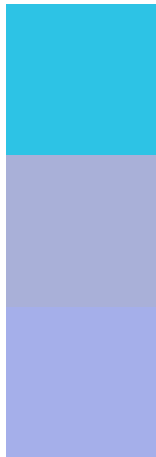
This preview shows how white text looks on a background with the XYZ color 34.7402, 45.2452,



# 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

34.7402, 45.2452, 81.0309

### Protanopia

44.2822, 44.4436, 71.2103

### Deuteranopia

45.6983, 44.5998, 84.0420



## Tritanopia

32.7084, 45.4374, 70.6647

# Trichromacy



## Original Color

34.7402, 45.2452, 81.0309



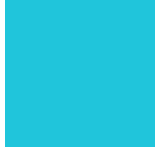
## Protanomaly

38.2968, 43.3725, 74.7599



## Deuteranomaly

39.1786, 43.3470, 82.6458



## Tritanomaly

33.3481, 45.3541, 74.0144

# Monochromacy



## Original Color

34.7402, 45.2452, 81.0309



## Achromatopsia

30.7148, 32.3143, 35.1903



## Achromatomaly

29.4679, 35.2895, 48.9745

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.7402, 45.2452, 81.0309 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, 195, 229)` looks like.

```
.text, #text, p{  
    color:rgb(45, 195, 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(45, 195, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 195, 229) }
```

## Border

The CSS property to change the border of an element to XYZ 34.7402, 45.2452, 81.0309 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, 195, 229) }
```



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

```
.border{ border-color:rgb(45, 195, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 195, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 195, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 195, 229);  
box-shadow:4px 4px 4px 4px rgb(45, 195,  
229) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.7402, 45.2452, 81.0309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 195, 229) }
```

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

```
.background{ background-color: rgb(45, 195,  
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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