

# Converting Colors

XYZ(33.0340, 43.0719, 77.2474)

Have a look what the booklet for  
XYZ(33.0340, 43.0719, 77.2474)  
contains.

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# Color

**XYZ(33.0402, 43.1357,  
77.1056)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2ABFE0
RGB	42, 191, 224
RGB Percent	16%, 75%, 88%
CMY	0.8352, 0.2510, 0.1216
CMYK	0.81, 0.15, 0.00, 0.12
HSL	191°, 75%, 52%
HSV	191°, 81%, 88%
XYZ	33.0402, 43.1357, 77.1056
YIQ	150.2110, -99.3970, -21.3250

# Conversions

## Conversions Part 2

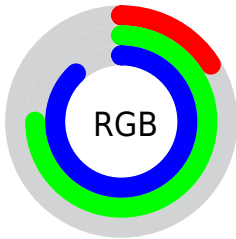
Format	Color
R <sub>Y</sub> B	42, 124, 224
Decimal	2801632
CIE Lab	71.65, -26.22, -27.15
CIE LCh	72, 37.748, 225.996
Yxy	43.1357, 0.2156, 0.2814
Android (android.graphics.Color)	4280991712 (0xFF2ABFE0)
YUV	150.2110, 36.3780, -94.9010
Hunter-Lab	65.6778, -25.1390, -23.6319

# Details

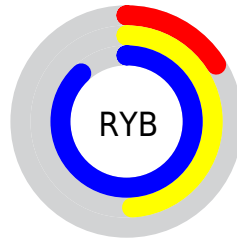
The XYZ color **33.0402, 43.1357, 77.1056** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed azure. A complement of this color would be **33.6762, 21.0490, 4.4800**, and the grayscale version is **28.9622, 30.4705, 33.1824**.

A 20% lighter version of the original color is **59.2252, 78.2767, 106.5952**, and **16.1071, 20.7559, 40.6935** is the 20% darker color. If you saturate the color by 10%, you get **31.4933, 41.0422, 76.7839**, and if you desaturate by 10%, it is **35.1258, 45.5450, 77.4616**.

# Distribution



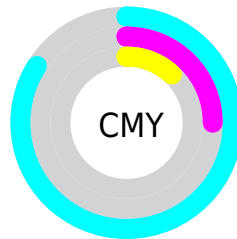
- Red (16%)
- Green (75%)
- Blue (88%)



- Red (16%)
- Yellow (49%)
- Blue (88%)



- Cyan (81%)
- Magenta (15%)
- Yellow (0%)
- Black (12%)



- Cyan (84%)
- Magenta (25%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0402, 43.1357, 77.1056 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 33.0402, 43.1357, 77.1056 by changing the saturation by 10% instead.



33.0402, 43.1357,  
77.1056

33.0402, 43.1357,  
77.1056

307.4926,  
359.1695, 504.5712

22.3166, 29.9916,  
56.8275

63.7925, 79.9156,  
131.0629

14.2076, 19.8322,  
40.4583

84.5520, 104.3202,  
165.5792

8.3479, 12.2731,  
27.5796

109.3875,  
133.2471, 205.6785

4.3720, 6.9300,  
17.7727

138.6644,  
167.0806, 251.7796

1.9147, 3.4183,  
10.6192

172.7480,  
206.2052, 304.3008

0.5853, 1.3538,  
5.7004

212.0036,

0.0000, 0.1823,

251.0053, 363.6608

2.5980

256.7967,  
301.8653, 430.2781

■ 0.0000, 0.0000,  
0.8914

■ 0.0000, 0.0000,  
0.0000

■ 33.0402, 43.1357,  
77.1056

■ 33.0402, 43.1357,  
77.1056

■ 31.4933, 41.0422,  
76.7839

■ 35.1258, 45.5450,  
77.4616

■ 30.4675, 39.4074,  
76.5224

■ 37.8206, 48.3042,  
77.8521

■ 41.1885, 51.4475,  
78.2813

■ 45.2840, 55.0033,  
78.7518

■ 50.1561, 58.9970,  
79.2659

■ 55.8493, 63.4518,  
79.8257

■ 62.4047, 68.3893,  
80.4332

■ 69.8604, 73.8293,  
81.0903

■ 78.2525, 79.7907,  
81.7986

# Harmonies

## Analogous

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



30.2836, 43.1357, 57.3494



33.0402, 43.1357, 77.1056



38.0964, 43.1357, 90.0646

# Triad

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



33.0402, 43.1357, 77.1056



54.1172, 43.1357, 56.0104



37.7050, 43.1357, 20.6072

# Complementary

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



33.0402, 43.1357, 77.1056



33.6762, 21.0490, 4.4800

# 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.



44.0458, 43.1357, 20.4250



33.0402, 43.1357, 77.1056



53.9843, 43.1357, 37.9207

# Square

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



33.0402, 43.1357, 77.1056



50.4897, 43.1357, 75.9083



50.1435, 43.1357, 25.9270



32.7794, 43.1357, 26.5133



# Rectangle

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



33.0402, 43.1357, 77.1056



42.2963, 43.1357, 91.3886



50.1435, 43.1357, 25.9270



39.7289, 43.1357, 19.9389

# Sweetspot

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



33.0416, 43.1372, 77.1067



72.5683, 83.3058, 106.8626



28.7926, 54.2769, 15.1495



14.9437, 17.3705, 22.8152



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

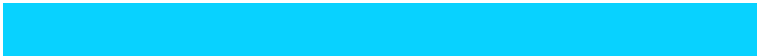


# Same Dimension

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



33.0416, 43.1372, 77.1067



41.2292, 53.4362, 102.7489



19.2286, 15.5111, 72.5023



13.8942, 15.1275, 17.5753



17.8117, 23.0930, 44.5670



1.2904, 1.7122, 3.1077



# Inverse Universe

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



40.9737, 21.2663, 51.2370



52.9745, 26.0866, 63.3133



44.3166, 42.3300, 8.0268



14.1828, 13.8908, 16.7328



22.9307, 11.2393, 27.3647

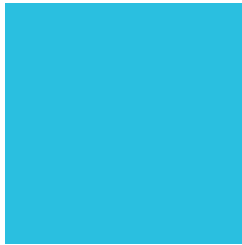


1.6176, 0.7903, 2.0450



# Previews

## White Background



This preview shows how the XYZ color 33.0402, 43.1357, 77.1056 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

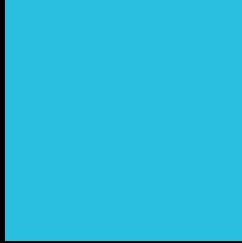
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.0402, 43.1357, 77.1056 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

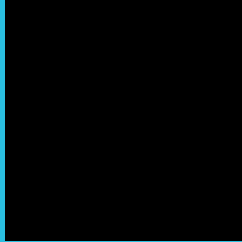
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 33.0402, 43.1357, 77.1056

## Background



This preview shows how black text looks on a background with the XYZ color 33.0402, 43.1357, 77.1056.



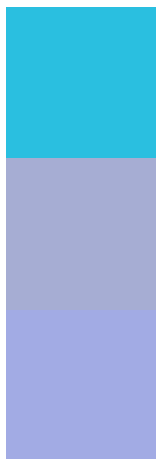
This preview shows how white text looks on a background with the XYZ color 33.0402, 43.1357,



# 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

33.0402, 43.1357, 77.1056

### Protanopia

42.4273, 42.6973, 67.6333

### Deuteranopia

43.4668, 42.4086, 79.2935



## **Tritanopia**

31.0889, 43.3357, 67.0477

# Trichromacy



## Original Color

33.0402, 43.1357, 77.1056



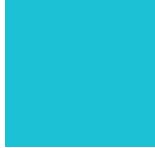
## Protanomaly

36.6011, 41.6653, 71.0789



## Deuteranomaly

37.2567, 41.2384, 78.6692



## Tritanomaly

31.6865, 43.2418, 70.2948

# Monochromacy



## Original Color

33.0402, 43.1357, 77.1056



## Achromatopsia

28.9890, 30.4987, 33.2131



## Achromatomaly

27.9465, 33.4641, 46.5813

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.0402, 43.1357, 77.1056 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(42, 191, 224)` looks like.

```
.text, #text, p{  
    color:rgb(42, 191, 224)  
}
```

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(42, 191, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 191, 224) }
```

## Border

The CSS property to change the border of an element to XYZ 33.0402, 43.1357, 77.1056 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(42, 191, 224) }
```



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

```
.border{ border-color:rgb(42, 191, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 191, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 191, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 191, 224);  
box-shadow:4px 4px 4px 4px rgb(42, 191,  
224) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.0402, 43.1357, 77.1056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 191, 224) }
```

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

```
.background{ background-color: rgb(42, 191,  
224) }
```

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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