

# Converting Colors

XYZ(43.3983, 57.1217,  
103.3460)

Have a look what the booklet for  
XYZ(43.3983, 57.1217, 103.3460)  
contains.

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# Color

**XYZ(43.3983, 57.1217,  
103.3460)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1ED9FF
RGB	30, 217, 255
RGB Percent	12%, 85%, 100%
CMY	0.8822, 0.1490, 0.0000
CMYK	0.88, 0.15, 0.00, 0.00
HSL	190°, 100%, 56%
HSV	190°, 88%, 100%
XYZ	43.3983, 57.1217, 103.3460
YIQ	165.4190, -123.6500, -27.8260

# Conversions

## Conversions Part 2

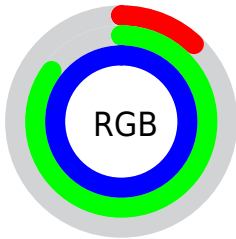
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	30, 132, 255
Decimal	2021887
CIE Lab	80.25, -29.84, -30.61
CIE LCh	80, 42.748, 225.722
Yxy	57.1217, 0.2129, 0.2802
Android (android.graphics.Color)	4280211967 (0xFF1ED9FF)
YUV	165.4190, 44.1634, -118.7625
Hunter-Lab	75.5789, -29.7663, -28.1675

# Details

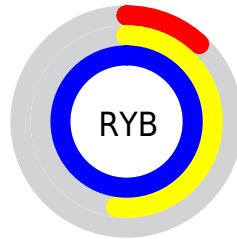
The XYZ color **43.3983, 57.1217, 103.3460** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **43.5438, 25.4920, 3.8560**, and the grayscale version is **35.8078, 37.6726, 41.0255**.

A 20% lighter version of the original color is **61.8360, 82.8776, 107.3456**, and **23.1134, 29.9179, 57.9826** is the 20% darker color. If you saturate the color by 10%, you get **41.8245, 54.6848, 102.9586**, and if you desaturate by 10%, it is **45.5933, 59.9240, 103.7712**.

# Distribution



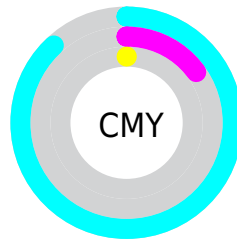
- Red (12%)
- Green (85%)
- Blue (100%)



- Red (12%)
- Yellow (52%)
- Blue (100%)



- Cyan (88%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)




- Cyan (88%)
- Magenta (15%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 43.3983, 57.1217, 103.3460 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 43.3983, 57.1217, 103.3460 by changing the saturation by 10% instead.





 43.3983, 57.1217,  
103.3460

 43.3983, 57.1217,  
103.3460


351.1410,  
413.9052, 592.2059


 30.3936, 41.1030,  
78.4654


 79.5635, 100.6427,  
167.8396


 20.2871, 28.3995,  
57.9377


 103.4548,  
128.9138, 208.2898

 12.7134, 18.6271,  
41.3442


 131.7057,  
162.0378, 254.7670

 7.3071, 11.4011,  
28.2664

 164.6814,  
200.3991, 307.6896

 3.7029, 6.3373,  
18.2858

202.7475,  
244.3821, 367.4762

 1.5355, 3.0513,  
10.9838

246.2692,

 0.3498, 1.1585,

294.3712, 434.5455

5.9419

295.6120,  
350.7507, 509.3158

■ 0.0000, 0.0275,  
2.7416

■ 0.0000, 0.0000,  
0.9642

■ 43.3983, 57.1217,  
103.3460

■ 43.3983, 57.1217,  
103.3460

■ 41.8245, 54.6848,  
102.9586

■ 45.5933, 59.9240,  
103.7712

■ 41.5759, 54.2719,  
102.8920

■ 48.5385, 63.1554,  
104.2397

■ 52.3332, 66.8682,  
104.7564

■ 57.0597, 71.1054,  
105.3251

■ 62.7905, 75.9047,  
105.9494

■ 69.5908, 81.2998,  
106.6324

■ 77.5202, 87.3219,  
107.3768

■ 86.6337, 93.9996,  
108.1854

■ 95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



39.6868, 57.1217, 76.1507



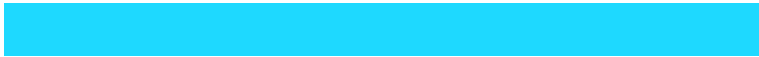
43.3983, 57.1217, 103.3460



50.2577, 57.1217, 121.3727

# Triad

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



43.3983, 57.1217, 103.3460



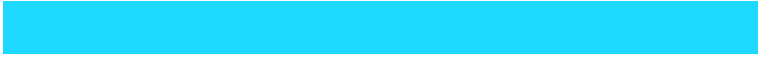
72.2353, 57.1217, 74.8187



49.8705, 57.1217, 26.4531

# Complementary

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



43.3983, 57.1217, 103.3460



43.5438, 25.4920, 3.8560

# 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.



58.5376, 57.1217, 26.2761



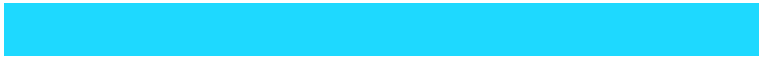
43.3983, 57.1217, 103.3460



72.1029, 57.1217, 50.0593

# Square

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



43.3983, 57.1217, 103.3460



67.2168, 57.1217, 102.1484



66.8724, 57.1217, 33.7395

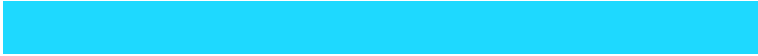


43.1411, 57.1217, 34.3127



# Rectangle

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



43.3983, 57.1217, 103.3460



55.9831, 57.1217, 123.3275



66.8724, 57.1217, 33.7395



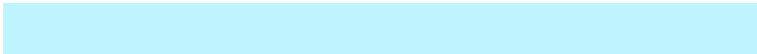
52.6362, 57.1217, 25.5813

# Sweetspot

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



43.4000, 57.1236, 103.3463



71.2530, 82.5826, 106.7923



37.3255, 72.2082, 17.3640



14.7016, 17.2509, 22.8048



0.0000, 0.0000, 0.0000

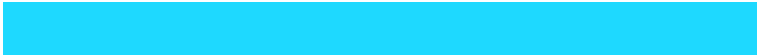


20.3446, 21.4041, 23.3091



# Same Dimension

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



43.4000, 57.1236, 103.3463



41.5759, 54.2719, 102.8920



23.6403, 17.6044, 96.7597



18.2784, 19.9284, 23.1331



21.8206, 28.5508, 53.7954



2.1906, 2.9119, 5.2599



# Inverse Universe

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



54.2299, 27.2002, 68.0394



53.1148, 26.0099, 64.4619



57.7984, 54.0011, 8.6075



18.6532, 18.2446, 22.0567



27.8022, 13.6102, 33.9386

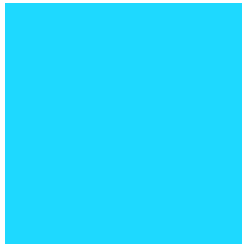


2.7403, 1.3385, 3.4800



# Previews

## White Background



This preview shows how the XYZ color 43.3983, 57.1217, 103.3460 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

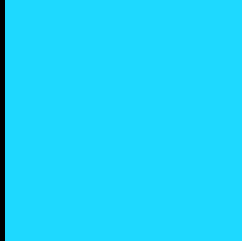
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 43.3983, 57.1217, 103.3460 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 43.3983, 57.1217, 103.3460

## Background



This preview shows how black text looks on a background with the XYZ color 43.3983, 57.1217, 103.3460.



This preview shows how white text looks on a background with the XYZ color 43.3983, 57.1217,



# 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

43.3983, 57.1217, 103.3460

### Protanopia

55.7368, 55.8863, 90.2876

### Deuteranopia

57.3323, 56.4406, 102.4801



## Tritanopia

40.6176, 56.7775, 88.9391

# Trichromacy



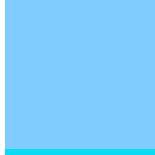
## Original Color

43.3983, 57.1217, 103.3460



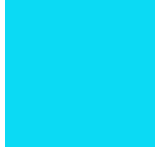
## Protanomaly

47.0433, 54.0503, 94.3395



## Deuteranomaly

48.3080, 54.5211, 102.5853



## Tritanomaly

41.5385, 56.7456, 94.3516

# Monochromacy



## Original Color

43.3983, 57.1217, 103.3460



## Achromatopsia

35.7637, 37.6262, 40.9749



## Achromatomaly

34.5360, 42.0712, 59.7264

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 43.3983, 57.1217, 103.3460 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, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(30, 217, 255)  
}
```

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, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 217, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 43.3983, 57.1217, 103.3460 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, 217, 255) }
```



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

```
.border{ border-color:rgb(30, 217, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(30, 217,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 43.3983, 57.1217, 103.3460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 217, 255) }
```

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

```
.background{ background-color: rgb(30, 217,  
255) }
```

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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