

# Converting Colors

XYZ(21.9007, 43.3252, 8.1474)

Have a look what the booklet for  
XYZ(21.9007, 43.3252, 8.1474)  
contains.

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# Color

**XYZ(21.8935, 43.3204,  
8.1275)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0ACC19
RGB	10, 204, 25
RGB Percent	4%, 80%, 10%
CMY	0.9608, 0.2000, 0.9019
CMYK	0.95, 0.00, 0.88, 0.20
HSL	125°, 91%, 42%
HSV	125°, 95%, 80%
XYZ	21.8935, 43.3204, 8.1275
YIQ	125.5880, -58.1650, -96.7970

# Conversions

## Conversions Part 2

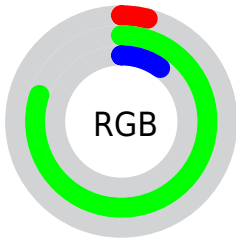
<b>Format</b>	<b>Color</b>
<b>RYB</b>	10, 190, 204
Decimal	707609
CIELab	71.77, -71.83, 67.12
CIELCh	72, 98.308, 136.940
Yxy	43.3204, 0.2985, 0.5907
Android (android.graphics.Color)	4278897689 (0xFF0ACC19)
YUV	125.5880, -49.5899, -101.3707
Hunter-Lab	65.8182, -55.8064, 38.7514

# Details

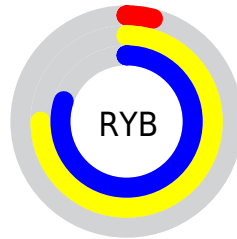
The XYZ color **21.8935, 43.3204, 8.1275** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **34.1959, 16.7288, 49.5667**, and the grayscale version is **19.8697, 20.9045, 22.7650**.

A 20% lighter version of the original color is **43.6689, 75.3840, 21.9218**, and **10.5899, 21.1798, 3.5300** is the 20% darker color. If you saturate the color by 10%, you get **21.6856, 43.2242, 7.6820**, and if you desaturate by 10%, it is **22.5925, 43.6501, 9.6012**.

# Distribution



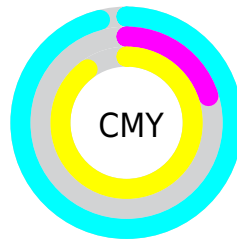
- Red (4%)
- Green (80%)
- Blue (10%)



- Red (4%)
- Yellow (75%)
- Blue (80%)



- Cyan (95%)
- Magenta (0%)
- Yellow (88%)
- Black (20%)




- Cyan (96%)
- Magenta (20%)
- Yellow (90%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8935, 43.3204, 8.1275 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 21.8935, 43.3204, 8.1275 by changing the saturation by 10% instead.




 21.8935, 43.3204,  
8.1275


 21.8935, 43.3204,  
8.1275


254.6324,  
359.9278, 186.7005


 13.8948, 30.1366,  
4.0877


 46.0501, 80.1941,  
22.7583


 8.1288, 19.9423,  
1.6736


 62.9387, 104.6528,  
34.1864


 4.2300, 12.3531,  
0.3425


 83.5213, 133.6386,  
48.9143

 1.8330, 6.9846,  
0.0000

 108.1634,  
167.5359, 67.3606

 0.5375, 3.4525,  
0.0000

 137.2301,  
206.7291, 89.9438

 0.0000, 1.3723,  
0.0000

 171.0870,

 0.0000, 0.1962,

251.6025, 117.0825

0.0000

210.0993,  
302.5406, 149.1952

■ 0.0000, 0.0000,  
0.0000

■ 21.8935, 43.3204,  
8.1275

■ 21.8935, 43.3204,  
8.1275

■ 21.6856, 43.2242,  
7.6820

■ 22.5925, 43.6501,  
9.6012

■ 23.8367, 44.2412,  
11.9355

■ 25.7104, 45.1360,  
15.2360

■ 28.2826, 46.3683,  
19.5922

■ 31.6134, 47.9672,  
25.0836

■ 35.7561, 49.9589,  
31.7820

■ 40.7595, 52.3670,  
39.7532

■ 46.6683, 55.2133,  
49.0583

■ 53.5243, 58.5180,  
59.7546

# Harmonies

## Analogous

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



32.5125, 43.3204, 2.5590



21.8935, 43.3204, 8.1275



17.1541, 43.3204, 29.2964

# Triad

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



21.8935, 43.3204, 8.1275



34.3392, 43.3204, 205.3382



80.1447, 43.3204, 25.1338

# Complementary

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



21.8935, 43.3204, 8.1275



34.1959, 16.7288, 49.5667

# 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.



81.0249, 43.3204, 71.1392



21.8935, 43.3204, 8.1275



51.2532, 43.3204, 201.0728

# Square

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



21.8935, 43.3204, 8.1275



22.9178, 43.3204, 151.2564



69.3611, 43.3204, 141.8855



67.2079, 43.3204, 6.8393

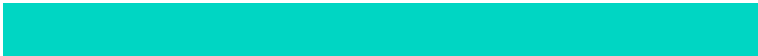


# Rectangle

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



21.8935, 43.3204, 8.1275



16.8243, 43.3204, 59.1710



69.3611, 43.3204, 141.8855



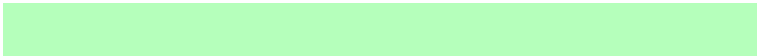
81.9629, 43.3204, 36.9099

# Sweetspot

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



21.8945, 43.3222, 8.1285



63.7730, 84.9279, 59.9173



43.1520, 54.2948, 8.4928



12.9033, 17.8187, 11.6328



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.



21.8945, 43.3222, 8.1285



35.8839, 71.5696, 12.5723



25.1052, 44.6065, 25.0357



11.1027, 12.5508, 12.0982



13.6623, 27.2102, 4.9069



0.7173, 1.4088, 0.3191



# Inverse Universe

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



34.1959, 16.7288, 49.5667



56.2744, 27.2738, 81.1001



27.0349, 13.8644, 11.8572



11.6486, 11.3882, 13.9503



21.4171, 10.3774, 30.9789

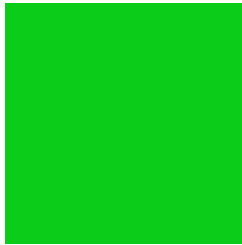


1.1163, 0.5399, 1.6582



# Previews

## White Background



This preview shows how the XYZ color 21.8935, 43.3204, 8.1275 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 21.8935, 43.3204, 8.1275 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 21.8935, 43.3204, 8.1275**

## **Background**



This preview shows how black text looks on a background with the XYZ color 21.8935, 43.3204, 8.1275.



This preview shows how white text looks on a background with the XYZ color 21.8935, 43.3204,



# 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

21.8935, 43.3204, 8.1275

### Protanopia

38.4352, 42.5620, 6.6050

### Deuteranopia

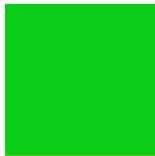
43.2443, 42.2006, 8.8839



## Tritanopia

33.2707, 43.2131, 64.3450

# Trichromacy



## Original Color

21.8935, 43.3204, 8.1275



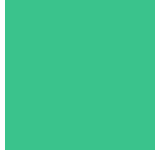
## Protanomaly

26.7213, 39.8286, 6.8516



## Deuteranomaly

27.8480, 38.2399, 8.0111



## Tritanomaly

25.9937, 41.8232, 31.5136

# Monochromacy



## Original Color

21.8935, 43.3204, 8.1275



## Achromatopsia

19.8309, 20.8637, 22.7206



## Achromatomaly

17.0149, 25.7173, 13.5183

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 21.8935, 43.3204, 8.1275 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(10, 204, 25)` looks like.

```
.text, #text, p{  
    color:rgb(10, 204, 25)  
}
```

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(10, 204, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 204, 25) }
```

## Border

The CSS property to change the border of an element to XYZ 21.8935, 43.3204, 8.1275 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(10, 204, 25) }
```



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

```
.border{ border-color:rgb(10, 204, 25) }
```

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

Here you see how a box with a 4 pixel rgb(10, 204, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 204, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 204, 25);  
box-shadow:4px 4px 4px 4px rgb(10, 204,  
25) }
```

# Background

The CSS property to change the background color of an element to XYZ 21.8935, 43.3204, 8.1275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 204, 25) }
```

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

```
.background{ background-color: rgb(10, 204,  
25) }
```

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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