

# Converting Colors

XYZ(21.0244, 40.1716, 6.9184)

Have a look what the booklet for  
XYZ(21.0244, 40.1716, 6.9184)  
contains.

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# Color

**XYZ(21.0136, 40.1301,  
6.9255)**

# Conversions

## Conversions Part 1

Format	Color
Hex	30C40A
RGB	48, 196, 10
RGB Percent	19%, 77%, 4%
CMY	0.8118, 0.2314, 0.9607
CMYK	0.76, 0.00, 0.95, 0.23
HSL	108°, 90%, 40%
HSV	108°, 95%, 77%
XYZ	21.0136, 40.1301, 6.9255
YIQ	130.5440, -28.5020, -89.2220

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	10, 196, 158
Decimal	3195914
CIELab	69.56, -66.47, 67.69
CIELCh	70, 94.863, 134.479
Yxy	40.1301, 0.3087, 0.5895
Android (android.graphics.Color)	4281385994 (0xFF30C40A)
YUV	130.5440, -59.4282, -72.3911
Hunter-Lab	63.3483, -51.6484, 37.8620

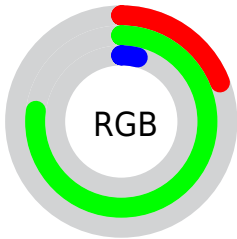
# Details

The XYZ color **21.0136, 40.1301, 6.9255** is a dark color, and the websafe version is hex **33CC00**.

The color can be described as dark washed green. A complement of this color would be **24.1785, 11.4749, 53.1672**, and the grayscale version is **21.6247, 22.7508, 24.7756**.

A 20% lighter version of the original color is **44.6109, 75.4301, 20.3918**, and **9.5249, 19.0498, 3.1750** is the 20% darker color. If you saturate the color by 10%, you get **20.6168, 39.9331, 6.6212**, and if you desaturate by 10%, it is **22.0585, 40.6498, 7.8867**.

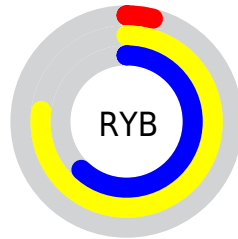
# Distribution



Red (19%)

Green (77%)

Blue (4%)



Red (4%)

Yellow (77%)

Blue (62%)

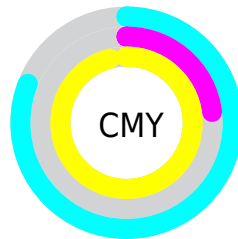


Cyan (76%)

Magenta (0%)

Yellow (95%)

Black (23%)



Cyan (81%)

Magenta (23%)


Yellow (96%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0136, 40.1301, 6.9255 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 21.0136, 40.1301, 6.9255 by changing the saturation by 10% instead.




 21.0136, 40.1301,  
6.9255


 21.0136, 40.1301,  
6.9255


250.0811,  
346.6716, 176.6506


 13.2465, 27.6400,  
3.3378


 44.6013, 75.3616,  
20.3335


 7.6766, 18.0545,  
1.2696

 61.1525, 98.8718,  
30.9909


 3.9388, 10.9891,  
0.0367


 81.3625, 126.8241,  
44.8419

 1.6676, 6.0595,  
0.0000

 105.5966,  
159.6029, 62.3051

 0.4358, 2.8813,  
0.0000

 134.2202,  
197.5927, 83.7990

 0.0000, 1.0701,  
0.0000

 167.5985,

 0.0000, 0.0000,

241.1778, 109.7422

0.0000

206.0970,  
290.7427, 140.5533

■ 21.0136, 40.1301,  
6.9255

■ 21.0136, 40.1301,  
6.9255

■ 20.6168, 39.9331,  
6.6212

■ 22.0585, 40.6498,  
7.8867

■ 23.5405, 41.3757,  
9.6759

■ 25.5073, 42.3308,  
12.4276

■ 27.9989, 43.5332,  
16.2516

■ 31.0513, 44.9994,  
21.2430

■ 34.6968, 46.7444,  
27.4862

■ 38.9655, 48.7818,  
35.0580

■ 43.8851, 51.1244,  
44.0290

■ 49.4818, 53.7845,  
54.4647

# Harmonies

## Analogous

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



31.2467, 40.1301, 2.3483



21.0136, 40.1301, 6.9255



16.2308, 40.1301, 24.7971

# Triad

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



21.0136, 40.1301, 6.9255



30.7960, 40.1301, 185.6319



74.3274, 40.1301, 25.8263

# Complementary

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



21.0136, 40.1301, 6.9255



24.1785, 11.4749, 53.1672

# 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.



74.1114, 40.1301, 70.3555



21.0136, 40.1301, 6.9255



45.9848, 40.1301, 186.6749

# Square

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



21.0136, 40.1301, 6.9255



20.7602, 40.1301, 133.3609



62.7043, 40.1301, 135.6554



63.2332, 40.1301, 7.2479



# Rectangle

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



21.0136, 40.1301, 6.9255



15.6807, 40.1301, 50.6136



62.7043, 40.1301, 135.6554



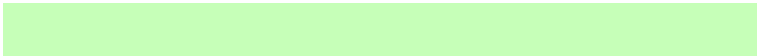
75.6533, 40.1301, 37.4373

# Sweetspot

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



21.0145, 40.1318, 6.9264



67.7061, 86.9942, 58.3509



34.6602, 35.4370, 5.3010



13.7747, 18.2779, 11.2203



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.



21.0145, 40.1318, 6.9264



37.1799, 72.2520, 11.9864



20.7555, 39.9018, 11.2691



10.1323, 11.3557, 10.7197



13.3048, 25.6877, 4.2570



0.6328, 1.1397, 0.1866



# Inverse Universe

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



24.1785, 11.4749, 53.1672



42.6590, 19.9064, 96.2017



27.8560, 13.9463, 27.3331



10.2894, 10.1403, 12.6998



15.2809, 7.1380, 34.1290

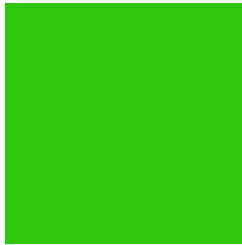


0.7124, 0.3353, 1.4771



# Previews

## White Background



This preview shows how the XYZ color 21.0136, 40.1301, 6.9255 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

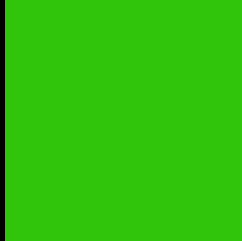
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 21.0136, 40.1301, 6.9255 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

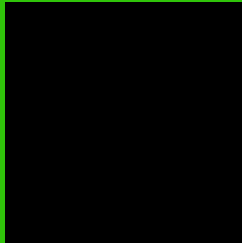
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 21.0136, 40.1301, 6.9255**

## **Background**



This preview shows how black text looks on a background with the XYZ color 21.0136, 40.1301, 6.9255.



This preview shows how white text looks on a background with the XYZ color 21.0136, 40.1301,



# 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

21.0136, 40.1301, 6.9255

### Protanopia

35.4232, 39.3231, 5.7231

### Deuteranopia

40.1582, 39.3131, 7.7571



## Tritanopia

31.3202, 39.8143, 58.8575

# Trichromacy



## Original Color

21.0136, 40.1301, 6.9255



## Protanomaly

26.6232, 37.6522, 5.9793



## Deuteranomaly

28.1398, 36.6615, 6.8896



## Tritanomaly

24.7933, 38.7034, 26.9326

# Monochromacy



## Original Color

21.0136, 40.1301, 6.9255



## Achromatopsia

21.5731, 22.6966, 24.7166



## Achromatomaly

18.8085, 26.8975, 13.2173

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 21.0136, 40.1301, 6.9255 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(48, 196, 10)` looks like.

```
.text, #text, p{  
    color:rgb(48, 196, 10)  
}
```

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(48, 196, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 196, 10) }
```

## Border

The CSS property to change the border of an element to XYZ 21.0136, 40.1301, 6.9255 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(48, 196, 10) }
```



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

```
.border{ border-color:rgb(48, 196, 10) }
```

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

Here you see how a box with a 4 pixel rgb(48, 196, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 196, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 196, 10);  
box-shadow:4px 4px 4px 4px rgb(48, 196,  
10) }
```

# Background

The CSS property to change the background color of an element to XYZ 21.0136, 40.1301, 6.9255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 196, 10) }
```

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

```
.background{ background-color: rgb(48, 196,  
10) }
```

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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