

# Converting Colors

XYZ(20.8817, 41.0361, 7.4767)

Have a look what the booklet for  
XYZ(20.8817, 41.0361, 7.4767)  
contains.

<b>XYZ(20.9030, 41.0795, 7.4893)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(20.9030, 41.0795,  
7.4893)**

# Conversions

## Conversions Part 1

Format	Color
Hex	17C714
RGB	23, 199, 20
RGB Percent	9%, 78%, 8%
CMY	0.9098, 0.2196, 0.9215
CMYK	0.88, 0.00, 0.90, 0.22
HSL	119°, 82%, 43%
HSV	119°, 90%, 78%
XYZ	20.9030, 41.0795, 7.4893
YIQ	125.9700, -47.4370, -92.9810

# Conversions

## Conversions Part 2

Format	Color
R <sub>Y</sub> B	20, 199, 196
Decimal	1558292
CIE Lab	70.23, -69.88, 66.73
CIE LCh	70, 96.625, 136.322
Yxy	41.0795, 0.3009, 0.5913
Android (android.graphics.Color)	4279748372 (0xFF17C714)
YUV	125.9700, -52.2432, -90.3047
Hunter-Lab	64.0933, -53.9483, 37.9373

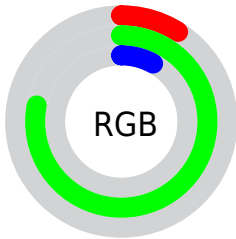
# Details

The XYZ color **20.9030, 41.0795, 7.4893** is a dark color, and the websafe version is hex **33CC00**.

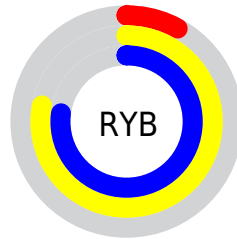
The color can be described as dark washed green. A complement of this color would be **33.3299, 16.3630, 55.4367**, and the grayscale version is **20.0058, 21.0476, 22.9209**.

A 20% lighter version of the original color is **43.7870, 75.4593, 21.2741**, and **9.8225, 19.6449, 3.2742** is the 20% darker color. If you saturate the color by 10%, you get **20.4678, 40.8709, 6.8134**, and if you desaturate by 10%, it is **21.7840, 41.5054, 8.8631**.

# Distribution



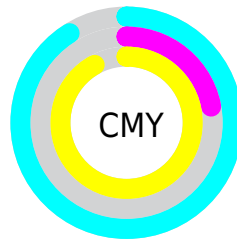
- Red (9%)
- Green (78%)
- Blue (8%)



- Red (8%)
- Yellow (78%)
- Blue (77%)



- Cyan (88%)
- Magenta (0%)
- Yellow (90%)
- Black (22%)




- Cyan (91%)
- Magenta (22%)
- Yellow (92%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9030, 41.0795, 7.4893 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 20.9030, 41.0795, 7.4893 by changing the saturation by 10% instead.





 20.9030, 41.0795,  
7.4893


 20.9030, 41.0795,  
7.4893


249.5040,  
350.6528, 181.4520


 13.1652, 28.3812,  
3.6869

 44.4185, 76.8046,  
21.4804


 7.6202, 18.6132,  
1.4552


 60.9270, 100.6001,  
32.5062

 3.9026, 11.3911,  
0.1842


 81.0896, 128.8636,  
46.7768

 1.6472, 6.3306,  
0.0000

 105.2719,  
161.9793, 64.7109

 0.4229, 3.0471,  
0.0000

 133.8391,  
200.3317, 86.7269

 0.0000, 1.1564,  
0.0000

 167.1566,

 0.0000, 0.0256,

244.3051, 113.2434

0.0000

205.5898,  
294.2840, 144.6789

■ 0.0000, 0.0000,  
0.0000

■ 20.9030, 41.0795,  
7.4893

■ 20.9030, 41.0795,  
7.4893

■ 20.4678, 40.8709,  
6.8134

■ 21.7840, 41.5054,  
8.8631

■ 20.4658, 40.8699,  
6.8100

■ 23.2301, 42.2013,  
11.1708

■ 25.3157, 43.2041,  
14.5394

■ 28.1034, 44.5437,  
19.0760

■ 31.6481, 46.2464,  
24.8743

■ 35.9994, 48.3359,  
32.0185

■ 41.2028, 50.8341,  
40.5858

■ 47.3002, 53.7611,  
50.6473

■ 54.3308, 57.1355,  
62.2694

# Harmonies

## Analogous

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



31.0971, 41.0795, 2.3830



20.9030, 41.0795, 7.4893



16.3019, 41.0795, 27.1137

# Triad

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



20.9030, 41.0795, 7.4893



32.2779, 41.0795, 194.2357



76.1655, 41.0795, 24.4238

# Complementary

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



20.9030, 41.0795, 7.4893



33.3299, 16.3630, 55.4367

# 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.



76.7347, 41.0795, 68.6818



20.9030, 41.0795, 7.4893



48.2430, 41.0795, 191.4766

# Square

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



20.9030, 41.0795, 7.4893



21.5649, 41.0795, 142.0918



65.4679, 41.0795, 136.0310



64.0756, 41.0795, 6.6577

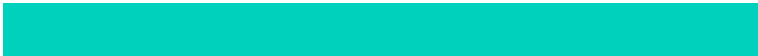


# Rectangle

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



20.9030, 41.0795, 7.4893



15.9259, 41.0795, 55.0354



65.4679, 41.0795, 136.0310



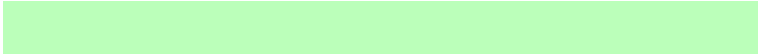
77.8040, 41.0795, 35.7963

# Sweetspot

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



20.9040, 41.0812, 7.4902



65.2053, 85.6739, 59.6381



43.4251, 51.6823, 8.3494



13.3282, 18.0360, 11.7315



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.



20.9040, 41.0812, 7.4902



35.8132, 71.5474, 11.9225



23.3420, 42.0490, 20.6656



10.5135, 11.8962, 11.3048



13.1668, 26.2830, 4.3792



0.6293, 1.2475, 0.2076



# Inverse Universe

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



33.3299, 16.3630, 55.4367



57.7437, 27.6829, 96.9076



26.7567, 13.8243, 16.7315



11.0650, 10.8073, 13.4203



21.2222, 10.1747, 35.5897

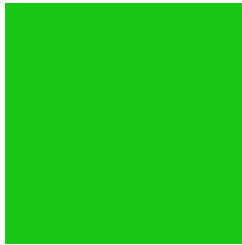


1.0106, 0.4847, 1.6854



# Previews

## White Background



This preview shows how the XYZ color 20.9030, 41.0795, 7.4893 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 20.9030, 41.0795, 7.4893 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

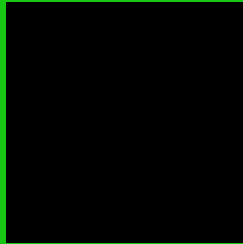
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 20.9030, 41.0795, 7.4893**

## **Background**



This preview shows how black text looks on a background with the XYZ color 20.9030, 41.0795, 7.4893.



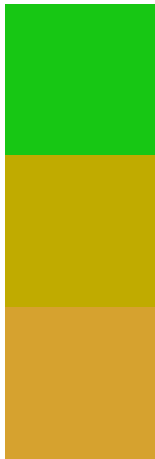
This preview shows how white text looks on a background with the XYZ color 20.9030, 41.0795,

7.4893.

# 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

20.9030, 41.0795, 7.4893

### Protanopia

36.3011, 40.3323, 5.8716

### Deuteranopia

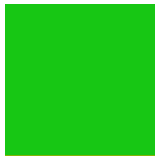
41.1650, 40.3420, 8.3065



## Tritanopia

31.6120, 40.8465, 60.8616

# Trichromacy



## Original Color

20.9030, 41.0795, 7.4893



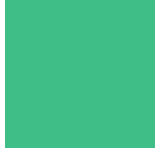
## Protanomaly

25.9223, 37.8884, 6.1480



## Deuteranomaly

27.3410, 36.8133, 7.4149



## Tritanomaly

24.8365, 39.6329, 29.2626

# Monochromacy



## Original Color

20.9030, 41.0795, 7.4893



## Achromatopsia

19.8309, 20.8637, 22.7206



## Achromatomaly

17.2314, 25.5944, 13.0489

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 20.9030, 41.0795, 7.4893 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(23, 199, 20)` looks like.

```
.text, #text, p{  
    color:rgb(23, 199, 20)  
}
```

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(23, 199, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 199, 20) }
```

## Border

The CSS property to change the border of an element to XYZ 20.9030, 41.0795, 7.4893 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(23, 199, 20) }
```



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

```
.border{ border-color:rgb(23, 199, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 199, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 199, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 199, 20);  
box-shadow:4px 4px 4px 4px rgb(23, 199,  
20) }
```

# Background

The CSS property to change the background color of an element to XYZ 20.9030, 41.0795, 7.4893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 199, 20) }
```

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

```
.background{ background-color: rgb(23, 199,  
20) }
```

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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