

Converting Colors

XYZ(20.3953, 40.2428, 8.4870)

Have a look what the booklet for
XYZ(20.3953, 40.2428, 8.4870)
contains.

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Color

**XYZ(20.3161, 40.0724,
8.4977)**

Conversions

Conversions Part 1

Format	Color
Hex	00C526
RGB	0, 197, 38
RGB Percent	0%, 77%, 15%
CMY	1.0000, 0.2274, 0.8510
CMYK	1.00, 0.00, 0.81, 0.23
HSL	132°, 100%, 39%
HSV	132°, 100%, 77%
XYZ	20.3161, 40.0724, 8.4977
YIQ	119.9710, -66.3730, -91.2130

Conversions

Conversions Part 2

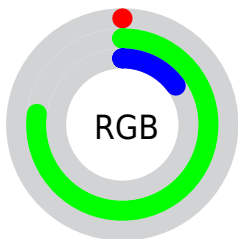
Format	Color
RYB	0, 165, 197
Decimal	50470
CIELab	69.52, -69.67, 61.98
CIELCh	70, 93.251, 138.343
Yxy	40.0724, 0.2949, 0.5817
Android (android.graphics.Color)	4278240550 (0xFF00C526)
YUV	119.9710, -40.4117, -105.2146
Hunter-Lab	63.3028, -53.4929, 36.3529

Details

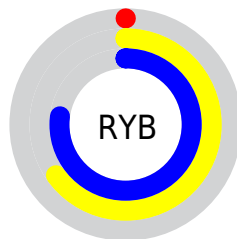
The XYZ color **20.3161, 40.0724, 8.4977** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **29.2848, 14.3740, 34.0316**, and the grayscale version is **17.9850, 18.9216, 20.6056**.

A 20% lighter version of the original color is **43.3972, 75.2078, 23.5386**, and **9.5249, 19.0498, 3.1750** is the 20% darker color. If you saturate the color by 10%, you get **20.3169, 40.0740, 8.4984**, and if you desaturate by 10%, it is **20.9132, 40.3452, 10.1638**.

Distribution



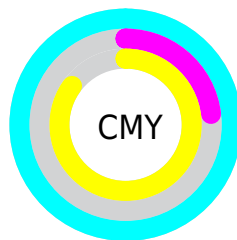
- Red (0%)
- Green (77%)
- Blue (15%)



- Red (0%)
- Yellow (65%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (81%)
- Black (23%)





- Cyan (100%)
- Magenta (23%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.3161, 40.0724, 8.4977 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 20.3161, 40.0724, 8.4977 by changing the saturation by 10% instead.


 20.3161, 40.0724,
8.4977


 20.3161, 40.0724,
8.4977


246.4223,
346.4286, 189.6632


 12.7346, 27.5950,
4.3227


 43.4464, 75.2737,
23.4906

 7.3218, 18.0206,
1.8040


 59.7260, 98.7665,
35.1456


 3.7123, 10.9648,
0.4306


 79.6356, 126.6998,
50.1310

 1.5407, 6.0431,
0.0000

 103.5407,
159.4581, 68.8654

 0.3533, 2.8713,
0.0000

 131.8065,
197.4257, 91.7672

 0.0000, 1.0649,
0.0000

 164.7985,

 0.0000, 0.0000,

240.9871, 119.2551

0.0000

202.8820,
290.5266, 151.7476

■ 20.3161, 40.0724,
8.4977

■ 20.3161, 40.0724,
8.4977

■ 20.3169, 40.0740,
8.4984

■ 20.9132, 40.3452,
10.1638

■ 21.9185, 40.8131,
12.4850

■ 23.4448, 41.5342,
15.5236

■ 25.5541, 42.5395,
19.3325

■ 28.2995, 43.8552,
23.9597

■ 31.7280, 45.5047,
29.4490

■ 35.8820, 47.5090,
35.8413

■ 40.8006, 49.8874,
43.1747

■ 46.5198, 52.6578,
51.4854

Harmonies

Analogous

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



29.6959, 40.0724, 2.7864



20.3161, 40.0724, 8.4977



16.2131, 40.0724, 28.9524

Triad

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



20.3161, 40.0724, 8.4977



32.5408, 40.0724, 185.2900



72.6391, 40.0724, 22.4210

Complementary

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



20.3161, 40.0724, 8.4977



29.2848, 14.3740, 34.0316

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.



73.9893, 40.0724, 62.5862



20.3161, 40.0724, 8.4977



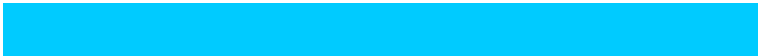
47.9277, 40.0724, 178.8137

Square

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



20.3161, 40.0724, 8.4977



21.9247, 40.0724, 139.3091



64.0226, 40.0724, 125.0237



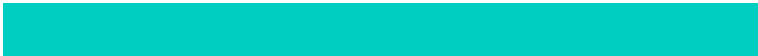
60.7112, 40.0724, 6.4040

Rectangle

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



20.3161, 40.0724, 8.4977



16.0494, 40.0724, 56.7800



64.0226, 40.0724, 125.0237



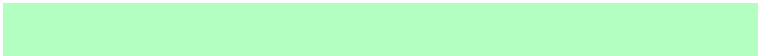
74.4420, 40.0724, 32.6887

Sweetspot

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



20.3170, 40.0741, 8.4986



63.8895, 84.9060, 63.6242



34.6422, 47.4994, 7.3426



12.9640, 17.8301, 12.5329



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.



20.3170, 40.0741, 8.4986



36.3185, 71.7434, 14.8608



24.3135, 41.6727, 29.5439



10.5797, 11.9208, 11.7369



13.3865, 26.3670, 5.7138



0.6596, 1.2588, 0.4060

Inverse Universe

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



29.2848, 14.3740, 34.0316



52.3571, 25.7069, 60.4721



23.9070, 12.2229, 5.7125



10.9920, 10.7802, 12.9411



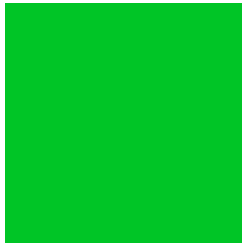
19.2907, 9.4659, 22.5386



0.9366, 0.4575, 1.1892

Previews

White Background



This preview shows how the XYZ color 20.3161, 40.0724, 8.4977 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 20.3161, 40.0724, 8.4977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

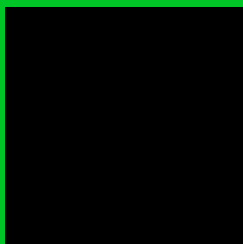
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.3161, 40.0724, 8.4977

Background



This preview shows how black text looks on a background with the XYZ color 20.3161, 40.0724, 8.4977.



This preview shows how white text looks on a background with the XYZ color 20.3161, 40.0724,

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

20.3161, 40.0724, 8.4977

Protanopia

35.6705, 39.4220, 7.0255

Deuteranopia

40.1486, 39.2760, 9.2064



Tritanopia

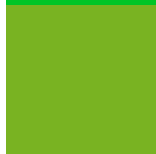
30.6062, 39.7380, 59.4832

Trichromacy



Original Color

20.3161, 40.0724, 8.4977



Protanomaly

24.2940, 36.4206, 7.2628



Deuteranomaly

25.3295, 35.1772, 8.3606



Tritanomaly

24.1330, 38.5900, 30.9876

Monochromacy



Original Color

20.3161, 40.0724, 8.4977



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

15.4159, 23.4545, 13.3875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3161, 40.0724, 8.4977 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(0, 197, 38)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 38)  
}
```

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(0, 197, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 38) }
```

Border

The CSS property to change the border of an element to XYZ 20.3161, 40.0724, 8.4977 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(0, 197, 38) }
```


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

```
.border{ border-color:rgb(0, 197, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 197, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 38);  
box-shadow:4px 4px 4px 4px rgb(0, 197, 38)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.3161, 40.0724, 8.4977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 38) }
```

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

```
.background{ background-color: rgb(0, 197,  
38) }
```

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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