

Converting Colors

XYZ(20.2532, 40.3076, 7.3639)

Have a look what the booklet for
XYZ(20.2532, 40.3076, 7.3639)
contains.

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Color

**XYZ(20.3204, 40.4387,
7.3963)**

Conversions

Conversions Part 1

Format	Color
Hex	00C614
RGB	0, 198, 20
RGB Percent	0%, 78%, 8%
CMY	1.0000, 0.2235, 0.9215
CMYK	1.00, 0.00, 0.90, 0.22
HSL	126°, 100%, 39%
HSV	126°, 100%, 78%
XYZ	20.3204, 40.4387, 7.3963
YIQ	118.5060, -60.8700, -97.3340

Conversions

Conversions Part 2

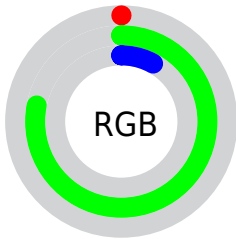
Format	Color
RYB	0, 180, 198
Decimal	50708
CIELab	69.78, -70.77, 66.29
CIELCh	70, 96.970, 136.871
Yxy	40.4387, 0.2981, 0.5933
Android (android.graphics.Color)	4278240788 (0xFF00C614)
YUV	118.5060, -48.5635, -103.9298
Hunter-Lab	63.5914, -54.2460, 37.6180

Details

The XYZ color **20.3204, 40.4387, 7.3963** 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 **31.3249, 15.2204, 43.4029**, and the grayscale version is **17.5422, 18.4558, 20.0983**.

A 20% lighter version of the original color is **43.0738, 75.0917, 21.2407**, and **9.6730, 19.3460, 3.2243** is the 20% darker color. If you saturate the color by 10%, you get **20.3213, 40.4403, 7.3970**, and if you desaturate by 10%, it is **20.8263, 40.6752, 8.5714**.

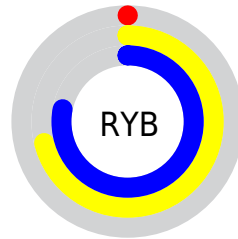
Distribution



Red (0%)

Green (78%)

Blue (8%)



Red (0%)

Yellow (71%)

Blue (78%)

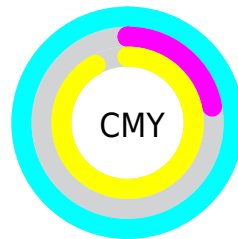


Cyan (100%)

Magenta (0%)

Yellow (90%)

Black (22%)



Cyan (100%)


Magenta (22%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.3204, 40.4387, 7.3963 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 20.3204, 40.4387, 7.3963 by changing the saturation by 10% instead.


 20.3204, 40.4387,
7.3963


 20.3204, 40.4387,
7.3963


246.4450,
347.9692, 180.6712


 12.7378, 27.8808,
3.6290


 43.4536, 75.8311,
21.2924

 7.3240, 18.2358,
1.4241

 59.7348, 99.4343,
32.2583


 3.7137, 11.1194,
0.1604


 79.6463, 127.4881,
46.4608

 1.5414, 6.1472,
0.0000

 103.5534,
160.3768, 64.3184

 0.3538, 2.9348,
0.0000

 131.8215,
198.4849, 86.2497

 0.0000, 1.0978,
0.0000

 164.8159,

 0.0000, 0.0000,

242.1967, 112.6733

0.0000

202.9019,
291.8967, 144.0076

■ 20.3204, 40.4387,
7.3963

■ 20.3204, 40.4387,
7.3963

■ 20.3213, 40.4403,
7.3970

■ 20.8263, 40.6752,
8.5714

■ 21.7591, 41.1148,
10.4810

■ 23.2389, 41.8186,
13.2222

■ 25.3339, 42.8199,
16.8752

■ 28.1020, 44.1471,
21.5111

■ 31.5945, 45.8254,
27.1938

■ 35.8575, 47.8773,
33.9817

■ 40.9336, 50.3234,
41.9291

■ 46.8620, 53.1831,
51.0866

Harmonies

Analogous

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



30.3105, 40.4387, 2.2769



20.3204, 40.4387, 7.3963



15.8669, 40.4387, 27.1426

Triad

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



20.3204, 40.4387, 7.3963



31.9677, 40.4387, 193.6916



75.2457, 40.4387, 23.3755

Complementary

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



20.3204, 40.4387, 7.3963



31.3249, 15.2204, 43.4029

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.



76.0483, 40.4387, 66.7789



20.3204, 40.4387, 7.3963



47.8970, 40.4387, 189.7889

Square

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



20.3204, 40.4387, 7.3963



21.2470, 40.4387, 142.3074



64.9997, 40.4387, 133.7446



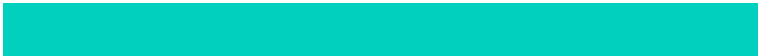
63.0381, 40.4387, 6.2446

Rectangle

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



20.3204, 40.4387, 7.3963



15.5512, 40.4387, 55.2257



64.9997, 40.4387, 133.7446



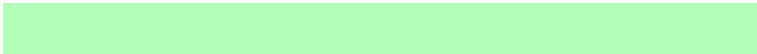
76.9554, 40.4387, 34.4614

Sweetspot

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



20.3213, 40.4404, 7.3972



63.1226, 84.5992, 59.5857



38.6018, 49.8789, 7.5932



12.7885, 17.7599, 11.6086



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.



20.3213, 40.4404, 7.3972



35.9439, 71.5936, 12.8884



23.5129, 41.7170, 24.2040



10.5403, 11.9050, 11.5294



13.2300, 26.3044, 4.8897



0.6416, 1.2516, 0.3114

Inverse Universe

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



31.3249, 15.2204, 43.4029



55.4149, 26.9300, 76.5741



24.7084, 12.5738, 8.5608



11.0351, 10.7974, 13.1682



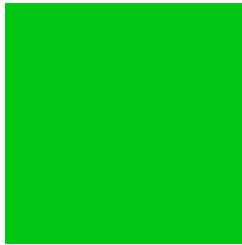
20.3887, 9.9050, 28.3205



0.9791, 0.4745, 1.4131

Previews

White Background



This preview shows how the XYZ color 20.3204, 40.4387, 7.3963 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 20.3204, 40.4387, 7.3963 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 20.3204, 40.4387, 7.3963

Background



This preview shows how black text looks on a background with the XYZ color 20.3204, 40.4387, 7.3963.



This preview shows how white text looks on a background with the XYZ color 20.3204, 40.4387,

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

20.3204, 40.4387, 7.3963

Protanopia

35.8661, 39.8280, 5.8259

Deuteranopia

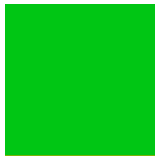
40.4093, 39.6920, 8.2208



Tritanopia

31.0166, 40.2435, 60.1659

Trichromacy



Original Color

20.3204, 40.4387, 7.3963



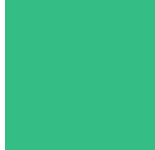
Protanomaly

24.3911, 36.7976, 6.0468



Deuteranomaly

25.4617, 35.5566, 7.2714



Tritanomaly

23.9689, 38.8733, 28.7943

Monochromacy



Original Color

20.3204, 40.4387, 7.3963



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

15.1317, 23.3408, 11.8913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3204, 40.4387, 7.3963 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, 198, 20)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 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(0, 198, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 20) }
```

Border

The CSS property to change the border of an element to XYZ 20.3204, 40.4387, 7.3963 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, 198, 20) }
```


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

```
.border{ border-color:rgb(0, 198, 20) }
```

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

Here you see how a box with a 4 pixel rgb(0, 198, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 20);  
box-shadow:4px 4px 4px 4px rgb(0, 198, 20)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.3204, 40.4387, 7.3963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 20) }
```

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

```
.background{ background-color: rgb(0, 198,  
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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