

Converting Colors

XYZ(20.3262, 40.5654, 7.0434)

Have a look what the booklet for
XYZ(20.3262, 40.5654, 7.0434)
contains.

XYZ(20.2489, 40.4101, 7.0199)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.2489, 40.4101,
7.0199)**

Conversions

Conversions Part 1

Format	Color
Hex	00C60A
RGB	0, 198, 10
RGB Percent	0%, 78%, 4%
CMY	1.0000, 0.2235, 0.9607
CMYK	1.00, 0.00, 0.95, 0.22
HSL	123°, 100%, 39%
HSV	123°, 100%, 78%
XYZ	20.2489, 40.4101, 7.0199
YIQ	117.3660, -57.6600, -100.4440

Conversions

Conversions Part 2

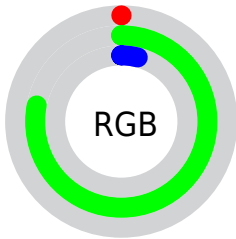
Format	Color
RYB	0, 188, 198
Decimal	50698
CIELab	69.76, -71.03, 67.67
CIELCh	70, 98.105, 136.391
Yxy	40.4101, 0.2992, 0.5971
Android (android.graphics.Color)	4278240778 (0xFF00C60A)
YUV	117.3660, -52.9314, -102.9300
Hunter-Lab	63.5689, -54.3872, 37.9509

Details

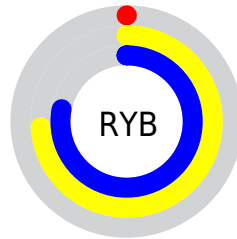
The XYZ color **20.2489, 40.4101, 7.0199** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **32.3648, 15.6364, 48.8791**, and the grayscale version is **17.1963, 18.0918, 19.7020**.

A 20% lighter version of the original color is **42.9149, 75.0281, 20.4036**, and **9.6730, 19.3460, 3.2243** is the 20% darker color. If you saturate the color by 10%, you get **20.2498, 40.4118, 7.0208**, and if you desaturate by 10%, it is **20.6990, 40.6243, 7.9012**.

Distribution



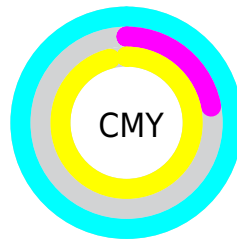
- Red (0%)
- Green (78%)
- Blue (4%)



- Red (0%)
- Yellow (74%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (95%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.2489, 40.4101, 7.0199 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 20.2489, 40.4101, 7.0199 by changing the saturation by 10% instead.


 20.2489, 40.4101,
7.0199


 20.2489, 40.4101,
7.0199


246.0674,
347.8491, 177.4662


 12.6854, 27.8584,
3.3959

 43.3349, 75.7876,
20.5268


 7.2878, 18.2190,
1.3002


 59.5880, 99.3822,
31.2468


 3.6906, 11.1073,
0.0619


 79.4685, 127.4266,
45.1692

 1.5287, 6.1391,
0.0000

 103.3416,
160.3052, 62.7125

 0.3452, 2.9298,
0.0000

 131.5727,
198.4023, 84.2953

 0.0000, 1.0952,
0.0000

 164.5271,

 0.0000, 0.0000,

242.1024, 110.3362

0.0000

202.5702,
291.7899, 141.2536

■ 20.2489, 40.4101,
7.0199

■ 20.2489, 40.4101,
7.0199

■ 20.2498, 40.4118,
7.0208

■ 20.6990, 40.6243,
7.9012

■ 21.5803, 41.0433,
9.5401

■ 23.0183, 41.7303,
12.0607

■ 25.0846, 42.7201,
15.5631

■ 27.8403, 44.0424,
20.1342

■ 31.3392, 45.7233,
25.8512

■ 35.6297, 47.7861,
32.7840

■ 40.7562, 50.2524,
40.9972

■ 46.7598, 53.1421,
50.5507

Harmonies

Analogous

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



30.4094, 40.4101, 2.1129



20.2489, 40.4101, 7.0199



15.6942, 40.4101, 26.4420

Triad

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



20.2489, 40.4101, 7.0199



31.6530, 40.4101, 195.8105



75.8497, 40.4101, 23.6243

Complementary

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



20.2489, 40.4101, 7.0199



32.3648, 15.6364, 48.8791

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.



76.4560, 40.4101, 67.9920



20.2489, 40.4101, 7.0199



47.7003, 40.4101, 192.8488

Square

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



20.2489, 40.4101, 7.0199



20.9416, 40.4101, 142.7550



65.0780, 40.4101, 136.2681



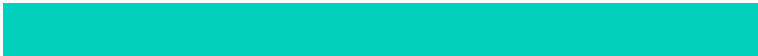
63.5976, 40.4101, 6.1723

Rectangle

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



20.2489, 40.4101, 7.0199



15.3289, 40.4101, 54.4856



65.0780, 40.4101, 136.2681



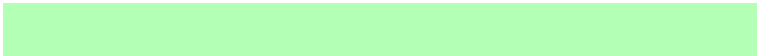
77.5189, 40.4101, 34.9537

Sweetspot

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



20.2498, 40.4118, 7.0208



62.7170, 84.4370, 57.4502



40.9595, 51.0943, 7.7035



12.6963, 17.7231, 11.1235



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.



20.2498, 40.4118, 7.0208



35.8320, 71.5488, 12.2994



22.9500, 41.4918, 21.2397



10.5189, 11.8964, 11.4166



13.1780, 26.2836, 4.6159



0.6317, 1.2476, 0.2594

Inverse Universe

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



32.3648, 15.6364, 48.8791



57.2811, 27.6764, 86.4012



25.0972, 12.7293, 10.6080



11.0590, 10.8070, 13.2941



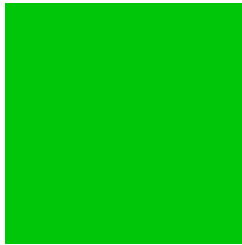
21.0566, 10.1722, 31.8375



1.0043, 0.4846, 1.5459

Previews

White Background



This preview shows how the XYZ color 20.2489, 40.4101, 7.0199 looks on a white background.

Color Contrast Check

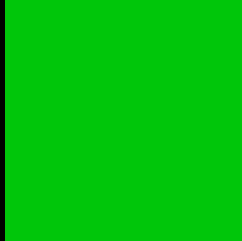
Large Text (above 18pt) WCAG AA × Fail

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 20.2489, 40.4101, 7.0199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

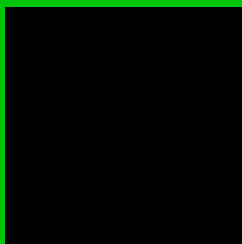
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

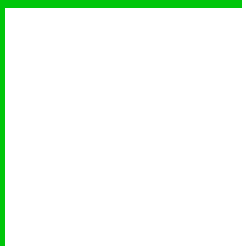
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.2489, 40.4101, 7.0199

Background



This preview shows how black text looks on a background with the XYZ color 20.2489, 40.4101, 7.0199.



This preview shows how white text looks on a background with the XYZ color 20.2489, 40.4101,

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

20.2489, 40.4101, 7.0199

Protanopia

35.8606, 39.8258, 5.7971

Deuteranopia

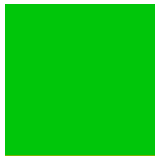
40.1768, 39.3205, 7.8549



Tritanopia

31.0166, 40.2435, 60.1659

Trichromacy



Original Color

20.2489, 40.4101, 7.0199



Protanomaly

24.3692, 36.7889, 5.9314



Deuteranomaly

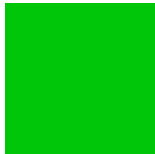
25.3884, 35.5273, 6.8858



Tritanomaly

23.6951, 38.7638, 27.3524

Monochromacy



Original Color

20.2489, 40.4101, 7.0199



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

14.4781, 22.5637, 10.7999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2489, 40.4101, 7.0199 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, 10)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 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(0, 198, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 10) }
```

Border

The CSS property to change the border of an element to XYZ 20.2489, 40.4101, 7.0199 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, 10) }
```


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

```
.border{ border-color:rgb(0, 198, 10) }
```

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, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 10);  
box-shadow:4px 4px 4px 4px rgb(0, 198, 10)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.2489, 40.4101, 7.0199 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, 10) }
```

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

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

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor