

Converting Colors

XYZ(20.5012, 40.3308, 7.6827)

Have a look what the booklet for
XYZ(20.5012, 40.3308, 7.6827)
contains.

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Color

**XYZ(20.4022, 40.1357,
7.6489)**

Conversions

Conversions Part 1

Format	Color
Hex	12C51A
RGB	18, 197, 26
RGB Percent	7%, 77%, 10%
CMY	0.9294, 0.2274, 0.8980
CMYK	0.91, 0.00, 0.87, 0.23
HSL	123°, 83%, 42%
HSV	123°, 91%, 77%
XYZ	20.4022, 40.1357, 7.6489
YIQ	123.9850, -51.7930, -91.1290

Conversions

Conversions Part 2

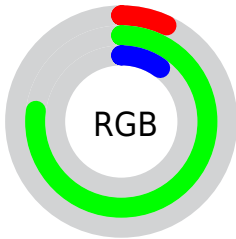
Format	Color
RYB	18, 189, 197
Decimal	1230106
CIELab	69.57, -69.44, 65.00
CIELCh	70, 95.121, 136.891
Yxy	40.1357, 0.2992, 0.5886
Android (android.graphics.Color)	4279420186 (0xFF12C51A)
YUV	123.9850, -48.3066, -92.9488
Hunter-Lab	63.3527, -53.3829, 37.1885

Details

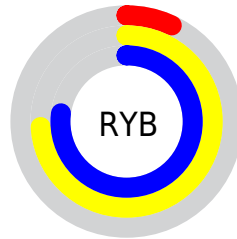
The XYZ color **20.4022, 40.1357, 7.6489** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **32.4282, 15.9775, 49.5170**, and the grayscale version is **19.3230, 20.3292, 22.1386**.

A 20% lighter version of the original color is **43.5070, 75.3054, 21.6935**, and **9.5249, 19.0498, 3.1750** is the 20% darker color. If you saturate the color by 10%, you get **20.0153, 39.9534, 6.9099**, and if you desaturate by 10%, it is **21.2259, 40.5287, 9.1695**.

Distribution



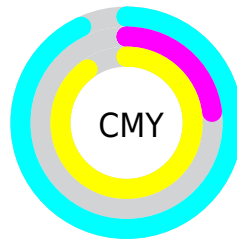
- Red (7%)
- Green (77%)
- Blue (10%)



- Red (7%)
- Yellow (74%)
- Blue (77%)



- Cyan (91%)
- Magenta (0%)
- Yellow (87%)
- Black (23%)





- Cyan (93%)
- Magenta (23%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4022, 40.1357, 7.6489 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 20.4022, 40.1357, 7.6489 by changing the saturation by 10% instead.


 20.4022, 40.1357,
7.6489


 20.4022, 40.1357,
7.6489


246.8765,
346.6952, 182.7822


 12.7977, 27.6444,
3.7866


 43.5893, 75.3701,
21.8019


 7.3654, 18.0577,
1.5090


 59.9026, 98.8820,
32.9297


 3.7400, 10.9915,
0.2246


 79.8496, 126.8361,
47.3164

 1.5561, 6.0611,
0.0000

 103.7955,
159.6170, 65.3805

 0.3636, 2.8823,
0.0000

 132.1058,
197.6089, 87.5406

 0.0000, 1.0706,
0.0000

 165.1459,

 0.0000, 0.0000,

241.1963, 114.2152

0.0000

203.2810,
290.7636, 145.8229

■ 20.4022, 40.1357,
7.6489

■ 20.4022, 40.1357,
7.6489

■ 20.0153, 39.9534,
6.9099

■ 21.2259, 40.5287,
9.1695

■ 22.5930, 41.1821,
11.5564

■ 24.5769, 42.1326,
14.9133

■ 27.2391, 43.4100,
19.3290

■ 30.6334, 45.0405,
24.8821

■ 34.8085, 47.0474,
31.6438

■ 39.8087, 49.4524,
39.6795

■ 45.6749, 52.2753,
49.0499

■ 52.4456, 55.5345,
59.8117

Harmonies

Analogous

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



30.1984, 40.1357, 2.4561



20.4022, 40.1357, 7.6489



16.0173, 40.1357, 27.1961

Triad

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



20.4022, 40.1357, 7.6489



31.8375, 40.1357, 188.5501



73.9332, 40.1357, 23.4540

Complementary

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



20.4022, 40.1357, 7.6489



32.4282, 15.9775, 49.5170

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.



74.7197, 40.1357, 65.8129



20.4022, 40.1357, 7.6489



47.3824, 40.1357, 184.7489

Square

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



20.4022, 40.1357, 7.6489



21.3233, 40.1357, 139.0203



64.0078, 40.1357, 130.6605



62.0824, 40.1357, 6.4797

Rectangle

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



20.4022, 40.1357, 7.6489



15.7076, 40.1357, 54.6481



64.0078, 40.1357, 130.6605



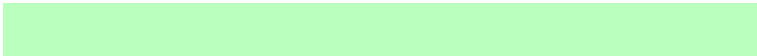
75.5934, 40.1357, 34.3230

Sweetspot

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



20.4031, 40.1374, 7.6498



65.2564, 85.6620, 61.3700



41.5714, 51.0589, 8.2367



13.3399, 18.0334, 12.1247



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.



20.4031, 40.1374, 7.6498



35.8228, 71.5451, 12.2506



23.2237, 41.2656, 22.5029



10.5164, 11.8954, 11.4034



13.1727, 26.2815, 4.5882



0.6306, 1.2472, 0.2533

Inverse Universe

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



32.4282, 15.9775, 49.5170



57.5075, 27.7670, 87.5934



25.6186, 13.2537, 13.6582



11.0618, 10.8081, 13.3088



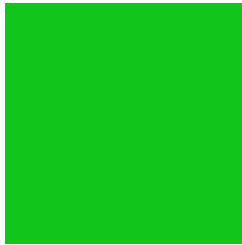
21.1375, 10.2046, 32.2637



1.0073, 0.4858, 1.5619

Previews

White Background



This preview shows how the XYZ color 20.4022, 40.1357, 7.6489 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 20.4022, 40.1357, 7.6489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

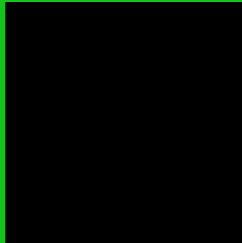
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.4022, 40.1357, 7.6489

Background



This preview shows how black text looks on a background with the XYZ color 20.4022, 40.1357, 7.6489.



This preview shows how white text looks on a background with the XYZ color 20.4022, 40.1357,

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

20.4022, 40.1357, 7.6489

Protanopia

35.5167, 39.3605, 6.2156

Deuteranopia

39.9892, 39.2122, 8.3668



Tritanopia

30.7827, 39.8290, 59.4914

Trichromacy



Original Color

20.4022, 40.1357, 7.6489



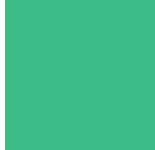
Protanomaly

24.9988, 36.8027, 6.4479



Deuteranomaly

26.3283, 35.7100, 7.6029



Tritanomaly

24.2199, 38.6764, 29.1104

Monochromacy



Original Color

20.4022, 40.1357, 7.6489



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

16.5744, 24.7691, 13.1399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4022, 40.1357, 7.6489 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(18, 197, 26)` looks like.

```
.text, #text, p{  
    color:rgb(18, 197, 26)  
}
```

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(18, 197, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 197, 26) }
```

Border

The CSS property to change the border of an element to XYZ 20.4022, 40.1357, 7.6489 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(18, 197, 26) }
```


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

```
.border{ border-color:rgb(18, 197, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 197, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 197, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 197, 26);  
box-shadow:4px 4px 4px 4px rgb(18, 197,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4022, 40.1357, 7.6489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 197, 26) }
```

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

```
.background{ background-color: rgb(18, 197,  
26) }
```

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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