

Converting Colors

XYZ(20.4049, 40.1921, 7.3310)

Have a look what the booklet for
XYZ(20.4049, 40.1921, 7.3310)
contains.

XYZ(20.3810, 40.1317, 7.3338)	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(20.3810, 40.1317,
7.3338)**

Conversions

Conversions Part 1

Format	Color
Hex	14C514
RGB	20, 197, 20
RGB Percent	8%, 77%, 8%
CMY	0.9216, 0.2274, 0.9215
CMYK	0.90, 0.00, 0.90, 0.23
HSL	120°, 82%, 43%
HSV	120°, 90%, 77%
XYZ	20.3810, 40.1317, 7.3338
YIQ	123.8990, -48.6750, -92.5710

Conversions

Conversions Part 2

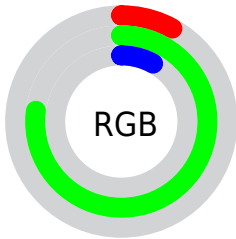
Format	Color
RYB	20, 197, 197
Decimal	1361172
CIELab	69.56, -69.54, 66.15
CIELCh	70, 95.973, 136.430
Yxy	40.1317, 0.3004, 0.5915
Android (android.graphics.Color)	4279551252 (0xFF14C514)
YUV	123.8990, -51.2222, -91.1194
Hunter-Lab	63.3496, -53.4343, 37.4809

Details

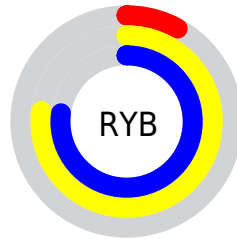
The XYZ color **20.3810, 40.1317, 7.3338** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **33.3541, 16.4020, 54.2261**, and the grayscale version is **19.3027, 20.3080, 22.1154**.

A 20% lighter version of the original color is **43.5437, 75.3339, 21.2627**, and **9.5249, 19.0498, 3.1750** is the 20% darker color. If you saturate the color by 10%, you get **19.9725, 39.9367, 6.6649**, and if you desaturate by 10%, it is **21.2087, 40.5305, 8.6872**.

Distribution



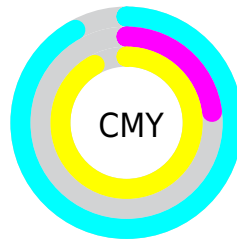
- Red (8%)
- Green (77%)
- Blue (8%)



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



- Cyan (90%)
- Magenta (0%)
- Yellow (90%)
- Black (23%)





- Cyan (92%)
- Magenta (23%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.3810, 40.1317, 7.3338 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 20.3810, 40.1317, 7.3338 by changing the saturation by 10% instead.


 20.3810, 40.1317,
7.3338


 20.3810, 40.1317,
7.3338


246.7647,
346.6784, 180.1440


 12.7822, 27.6412,
3.5901


 43.5541, 75.3640,
21.1658


 7.3547, 18.0554,
1.4033


 59.8591, 98.8747,
32.0913


 3.7332, 10.9898,
0.1443


 79.7969, 126.8275,
46.2478

 1.5523, 6.0600,
0.0000

 103.7328,
159.6069, 64.0538

 0.3610, 2.8816,
0.0000

 132.0322,
197.5973, 85.9278

 0.0000, 1.0702,
0.0000

 165.0604,

 0.0000, 0.0000,

241.1831, 112.2886

0.0000

203.1828,
290.7487, 143.5544

■ 20.3810, 40.1317,
7.3338

■ 20.3810, 40.1317,
7.3338

■ 19.9725, 39.9367,
6.6649

■ 21.2087, 40.5305,
8.6872

■ 19.9671, 39.9341,
6.6561

■ 22.5947, 41.1963,
10.9546

■ 24.6153, 42.1668,
14.2598

■ 27.3341, 43.4728,
18.7070

■ 30.8070, 45.1410,
24.3876

■ 35.0843, 47.1957,
31.3839

■ 40.2121, 49.6588,
39.7711

■ 46.2326, 52.5508,
49.6184

■ 53.1856, 55.8907,
60.9910

Harmonies

Analogous

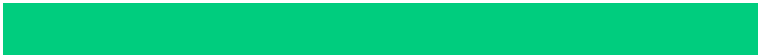
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.3262, 40.1317, 2.3228



20.3810, 40.1317, 7.3338



15.9022, 40.1317, 26.5853

Triad

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



20.3810, 40.1317, 7.3338



31.5749, 40.1317, 190.0766



74.4284, 40.1317, 23.7416

Complementary

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



20.3810, 40.1317, 7.3338



33.3541, 16.4020, 54.2261

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.



75.0306, 40.1317, 66.9169



20.3810, 40.1317, 7.3338



47.2015, 40.1317, 187.1565

Square

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



20.3810, 40.1317, 7.3338



21.0808, 40.1317, 139.1868



64.0426, 40.1317, 132.7730



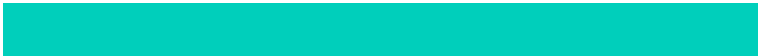
62.5696, 40.1317, 6.4557

Rectangle

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



20.3810, 40.1317, 7.3338



15.5455, 40.1317, 53.9596



64.0426, 40.1317, 132.7730



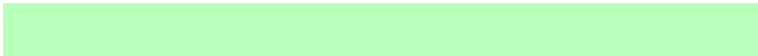
76.0462, 40.1317, 34.8251

Sweetspot

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



20.3819, 40.1334, 7.3347



64.9255, 85.5297, 59.6276



43.1202, 51.8554, 8.3983



13.2648, 18.0033, 11.7291



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.



20.3819, 40.1334, 7.3347



35.7601, 71.5200, 11.9205



22.9891, 41.1762, 21.0641



10.4975, 11.8879, 11.3042



13.1328, 26.2655, 4.3779



0.6218, 1.2437, 0.2073

Inverse Universe

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



33.3541, 16.4020, 54.2261



59.2872, 28.4789, 96.9653



26.0106, 13.4646, 15.5559



11.0831, 10.8166, 13.4210



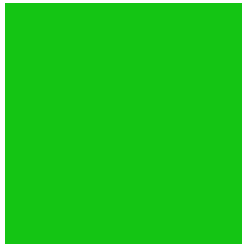
21.7730, 10.4588, 35.6103



1.0310, 0.4952, 1.6862

Previews

White Background



This preview shows how the XYZ color 20.3810, 40.1317, 7.3338 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 20.3810, 40.1317, 7.3338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

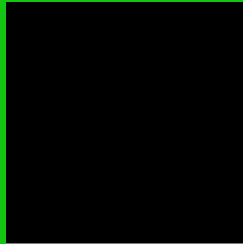
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.3810, 40.1317, 7.3338

Background



This preview shows how black text looks on a background with the XYZ color 20.3810, 40.1317, 7.3338.



This preview shows how white text looks on a background with the XYZ color 20.3810, 40.1317,

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

20.3810, 40.1317, 7.3338

Protanopia

35.4396, 39.3297, 5.8097

Deuteranopia

39.9279, 39.1878, 8.0443



Tritanopia

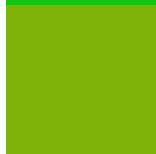
30.7827, 39.8290, 59.4914

Trichromacy



Original Color

20.3810, 40.1317, 7.3338



Protanomaly

25.0715, 36.8491, 6.0496



Deuteranomaly

26.4328, 35.7715, 7.2617



Tritanomaly

24.1413, 38.6520, 28.3785

Monochromacy



Original Color

20.3810, 40.1317, 7.3338



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

16.5841, 24.7835, 12.7137

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3810, 40.1317, 7.3338 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(20, 197, 20)` looks like.

```
.text, #text, p{  
    color:rgb(20, 197, 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(20, 197, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 197, 20) }
```

Border

The CSS property to change the border of an element to XYZ 20.3810, 40.1317, 7.3338 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(20, 197, 20) }
```


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

```
.border{ border-color:rgb(20, 197, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 197, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 197, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 197, 20);  
box-shadow:4px 4px 4px 4px rgb(20, 197,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3810, 40.1317, 7.3338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 197, 20) }
```

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

```
.background{ background-color: rgb(20, 197,  
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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