

Converting Colors

XYZ(20.7984, 41.3708, 7.6296)

Have a look what the booklet for
XYZ(20.7984, 41.3708, 7.6296)
contains.

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Color

**XYZ(20.7991, 41.3665,
7.6474)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00C816 |
| RGB | 0, 200, 22 |
| RGB Percent | 0%, 78%, 9% |
| CMY | 1.0000, 0.2157, 0.9137 |
| CMYK | 1.00, 0.00, 0.89, 0.22 |
| HSL | 127°, 100%, 39% |
| HSV | 127°, 100%, 78% |
| XYZ | 20.7991, 41.3665, 7.6474 |
| YIQ | 119.9080, -62.0620, -97.7580 |

Conversions

Conversions Part 2

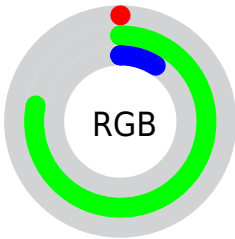
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 0, 180, 200 |
| Decimal | 51222 |
| CIELab | 70.43, -71.25, 66.50 |
| CIELCh | 70, 97.462, 136.973 |
| Yxy | 41.3665, 0.2979, 0.5925 |
| Android (android.graphics.Color) | 4278241302 (0xFF00C816) |
| YUV | 119.9080, -48.2686, -105.1593 |
| Hunter-Lab | 64.3168, -54.8301, 37.9721 |

Details

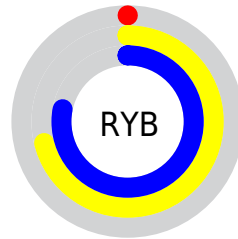
The XYZ color **20.7991, 41.3665, 7.6474** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **31.8553, 15.4938, 43.4259**, and the grayscale version is **17.9881, 18.9249, 20.6092**.

A 20% lighter version of the original color is **43.2304, 75.1676, 21.4629**, and **9.9733, 19.9465, 3.3244** is the 20% darker color. If you saturate the color by 10%, you get **20.8001, 41.3682, 7.6483**, and if you desaturate by 10%, it is **21.3234, 41.6109, 8.8987**.

Distribution



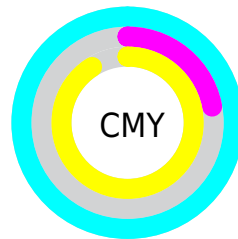
- Red (0%)
- Green (78%)
- Blue (9%)



- Red (0%)
- Yellow (71%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (89%)
- Black (22%)





- Cyan (100%)
- Magenta (22%)
- Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7991, 41.3665, 7.6474 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 20.7991, 41.3665, 7.6474 by changing the saturation by 10% instead.


 20.7991, 41.3665,
7.6474


 20.7991, 41.3665,
7.6474


248.9609,
351.8501, 182.7697


 13.0889, 28.6056,
3.7856


 44.2467, 77.2399,
21.7989


 7.5672, 18.7826,
1.5085


 60.7148, 101.1212,
32.9257

 3.8687, 11.5133,
0.2242


 80.8329, 129.4781,
47.3113

 1.6281, 6.4132,
0.0000

 104.9664,
162.6950, 65.3742

 0.4106, 3.0979,
0.0000

 133.4806,
201.1562, 87.5330

 0.0000, 1.1831,
0.0000

 166.7408,

 0.0000, 0.0478,

245.2462, 114.2061

0.0000

205.1124,
295.3494, 145.8122

■ 0.0000, 0.0000,
0.0000

■ 20.7991, 41.3665,
7.6474

■ 20.7991, 41.3665,
7.6474

■ 20.8001, 41.3682,
7.6483

■ 21.3234, 41.6109,
8.8987

■ 22.2841, 42.0629,
10.8958

■ 23.8028, 42.7846,
13.7342

■ 25.9486, 43.8098,
17.4932

■ 28.7806, 45.1676,
22.2427

■ 32.3508, 46.8833,
28.0462

■ 36.7064, 48.9802,
34.9617

■ 41.8904, 51.4791,
43.0429

■ 47.9429, 54.3998,
52.3403

Harmonies

Analogous

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



30.9803, 41.3665, 2.3652



20.7991, 41.3665, 7.6474



16.2659, 41.3665, 27.9129

Triad

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



20.7991, 41.3665, 7.6474



32.7640, 41.3665, 197.6512



76.8312, 41.3665, 23.8555

Complementary

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



20.7991, 41.3665, 7.6474



31.8553, 15.4938, 43.4259

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.



77.6938, 41.3665, 68.0429



20.7991, 41.3665, 7.6474



49.0307, 41.3665, 193.4606

Square

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



20.7991, 41.3665, 7.6474



21.7972, 41.3665, 145.4530



66.4639, 41.3665, 136.2551



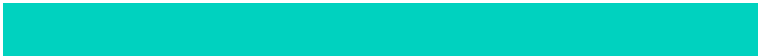
64.3551, 41.3665, 6.4027

Rectangle

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



20.7991, 41.3665, 7.6474



15.9537, 41.3665, 56.6433



66.4639, 41.3665, 136.2551



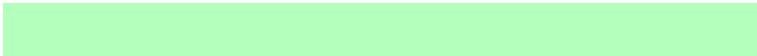
78.5884, 41.3665, 35.1423

Sweetspot

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



20.8001, 41.3682, 7.6483



63.1961, 84.6287, 59.9730



39.4783, 51.0139, 7.7659



12.8052, 17.7666, 11.6969



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.



20.8001, 41.3682, 7.6483



35.9704, 71.6042, 13.0280



24.0454, 42.6664, 24.7381



10.5441, 11.9065, 11.5497



13.2416, 26.3090, 4.9509



0.6434, 1.2523, 0.3206

Inverse Universe

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



31.8553, 15.4938, 43.4259



55.0959, 26.8024, 74.8942



25.2684, 12.8591, 8.7400



11.0309, 10.7957, 13.1458



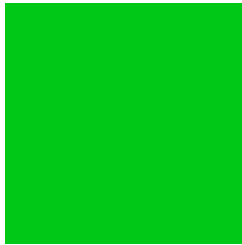
20.2744, 9.8593, 27.7185



0.9747, 0.4727, 1.3901

Previews

White Background



This preview shows how the XYZ color 20.7991, 41.3665, 7.6474 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 20.7991, 41.3665, 7.6474 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 20.7991, 41.3665, 7.6474

Background



This preview shows how black text looks on a background with the XYZ color 20.7991, 41.3665, 7.6474.



This preview shows how white text looks on a background with the XYZ color 20.7991, 41.3665,

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

20.7991, 41.3665, 7.6474

Protanopia

36.6045, 40.4830, 6.1432

Deuteranopia

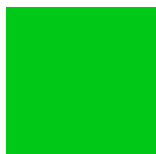
41.1854, 40.3502, 8.4140



Tritanopia

31.7577, 41.2197, 61.5407

Trichromacy



Original Color

20.7991, 41.3665, 7.6474



Protanomaly

24.9756, 37.6986, 6.3757



Deuteranomaly

26.0449, 36.4314, 7.5787



Tritanomaly

24.5429, 39.7961, 29.6804

Monochromacy



Original Color

20.7991, 41.3665, 7.6474



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

15.3282, 23.6715, 12.1487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7991, 41.3665, 7.6474 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, 200, 22)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 22)  
}
```

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, 200, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 22) }
```

Border

The CSS property to change the border of an element to XYZ 20.7991, 41.3665, 7.6474 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, 200, 22) }
```


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

```
.border{ border-color:rgb(0, 200, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 200, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 22);  
box-shadow:4px 4px 4px 4px rgb(0, 200, 22)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.7991, 41.3665, 7.6474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 200, 22) }
```

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

```
.background{ background-color: rgb(0, 200,  
22) }
```

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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