

Converting Colors

XYZ(20.0280, 35.1048, 21.9400)

Have a look what the booklet for
XYZ(20.0280, 35.1048, 21.9400)
contains.

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Color

**XYZ(20.0280, 35.1048,
21.9400)**

Conversions

Conversions Part 1

Format	Color
Hex	00B773
RGB	0, 183, 115
RGB Percent	0%, 72%, 45%
CMY	1.0000, 0.2823, 0.5490
CMYK	1.00, 0.00, 0.37, 0.28
HSL	158°, 100%, 36%
HSV	158°, 100%, 72%
XYZ	20.0280, 35.1048, 21.9400
YIQ	120.5310, -87.2400, -59.9440

Conversions

Conversions Part 2

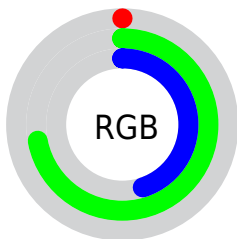
Format	Color
RYB	0, 112, 183
Decimal	46963
CIELab	65.83, -55.18, 23.83
CIELCh	66, 60.110, 156.640
Yxy	35.1048, 0.2599, 0.4555
Android (android.graphics.Color)	4278237043 (0xFF00B773)
YUV	120.5310, -2.7268, -105.7057
Hunter-Lab	59.2493, -43.3481, 19.5194

Details

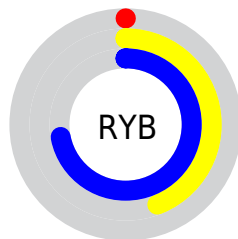
The XYZ color **20.0280, 35.1048, 21.9400** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **20.5731, 10.4854, 6.4105**, and the grayscale version is **18.0530, 18.9932, 20.6836**.

A 20% lighter version of the original color is **42.8545, 67.5431, 47.3377**, and **8.8336, 16.0939, 7.7951** is the 20% darker color. If you saturate the color by 10%, you get **20.0285, 35.1060, 21.9395**, and if you desaturate by 10%, it is **20.6901, 35.4001, 24.0907**.

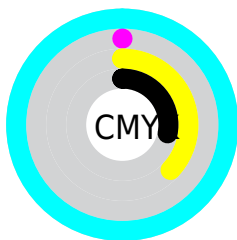
Distribution



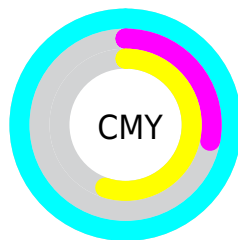
- Red (0%)
- Green (72%)
- Blue (45%)



- Red (0%)
- Yellow (44%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.0280, 35.1048, 21.9400 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 20.0280, 35.1048, 21.9400 by changing the saturation by 10% instead.


 20.0280, 35.1048,
21.9400


 20.0280, 35.1048,
21.9400


244.8973,
325.0307, 275.1761


 12.5238, 23.7436,
13.6149


 42.9677, 67.6481,
47.5477


 7.1762, 15.1435,
7.7177


 59.1339, 89.5990,
65.6675

 3.6198, 8.9202,
3.8296


 78.9181, 115.8486,
87.8892

 1.4894, 4.6892,
1.5324

 102.6858,
146.7812, 114.6314

 0.3186, 2.0661,
0.2419

 130.8021,
182.7814, 146.3126

 0.0000, 0.6454,
0.0000

 163.6326,

 0.0000, 0.0000,

224.2334, 183.3515

0.0000

201.5426,
271.5217, 226.1664

■ 20.0280, 35.1048,
21.9400

■ 20.0280, 35.1048,
21.9400

■ 20.0285, 35.1060,
21.9395

■ 20.6901, 35.4001,
24.0907

■ 21.6194, 35.8289,
26.4070

■ 22.9066, 36.4387,
28.8970

■ 24.5958, 37.2522,
31.5657

■ 26.7245, 38.2887,
34.4177

■ 29.3256, 39.5650,
37.4573

■ 32.4290, 41.0965,
40.6887

■ 36.0616, 42.8972,
44.1158

■ 40.2488, 44.9798,
47.7424

Harmonies

Analogous

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



24.1860, 35.1048, 10.8963



20.0280, 35.1048, 21.9400



19.1283, 35.1048, 44.1550

Triad

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



20.0280, 35.1048, 21.9400



35.3776, 35.1048, 110.1831



49.0110, 35.1048, 15.8523

Complementary

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



20.0280, 35.1048, 21.9400



20.5731, 10.4854, 6.4105

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.



53.3404, 35.1048, 32.8479



20.0280, 35.1048, 21.9400



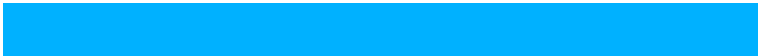
44.6168, 35.1048, 92.3527

Square

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



20.0280, 35.1048, 21.9400



27.0489, 35.1048, 102.9022



51.6042, 35.1048, 61.0512



40.5973, 35.1048, 8.6280

Rectangle

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



20.0280, 35.1048, 21.9400



20.3230, 35.1048, 64.5798



51.6042, 35.1048, 61.0512



51.0544, 35.1048, 20.2358

Sweetspot

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



20.0289, 35.1062, 21.9408



57.7764, 73.4515, 72.5713



19.4714, 35.1763, 5.7638



12.2246, 15.9581, 15.4838



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.0289, 35.1062, 21.9408



35.7543, 62.8259, 38.6856



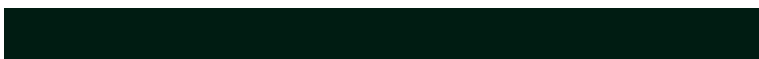
21.4072, 29.1381, 49.2974



9.1213, 10.1525, 10.7960



14.0057, 24.5032, 15.4840



0.5226, 0.8753, 0.6978

Inverse Universe

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



20.5731, 10.4854, 6.4105



36.7419, 18.7370, 10.9402



19.8041, 10.6174, 1.0059



9.1389, 9.0659, 10.0790



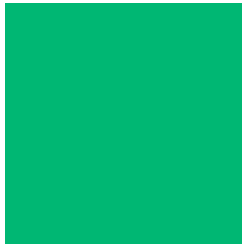
14.3821, 7.3266, 4.6330



0.5374, 0.2704, 0.3233

Previews

White Background



This preview shows how the XYZ color 20.0280, 35.1048, 21.9400 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 20.0280, 35.1048, 21.9400 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

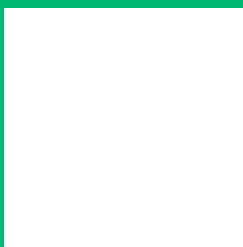
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.0280, 35.1048, 21.9400

Background



This preview shows how black text looks on a background with the XYZ color 20.0280, 35.1048, 21.9400.



This preview shows how white text looks on a background with the XYZ color 20.0280, 35.1048,

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

20.0280, 35.1048, 21.9400

Protanopia

31.9612, 34.5869, 18.3560

Deuteranopia

34.9908, 34.3007, 23.1888



Tritanopia

26.3931, 35.0268, 52.9467

Trichromacy



Original Color

20.0280, 35.1048, 21.9400



Protanomaly

23.0696, 32.3606, 19.4983



Deuteranomaly

23.8982, 31.3778, 22.2497



Tritanomaly

23.0696, 34.4889, 39.1593

Monochromacy



Original Color

20.0280, 35.1048, 21.9400



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

16.3636, 22.8562, 21.0020

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0280, 35.1048, 21.9400 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, 183, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 115)  
}
```

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, 183, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 115) }
```

Border

The CSS property to change the border of an element to XYZ 20.0280, 35.1048, 21.9400 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, 183, 115) }
```


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

```
.border{ border-color:rgb(0, 183, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 183, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0280, 35.1048, 21.9400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 115) }
```

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

```
.background{ background-color: rgb(0, 183,  
115) }
```

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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