

Converting Colors

XYZ(20.5250, 36.1081, 22.0767)

Have a look what the booklet for
XYZ(20.5250, 36.1081, 22.0767)
contains.

XYZ(20.4435, 35.9357, 22.0785)	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(20.4435, 35.9357,
22.0785)**

Conversions

Conversions Part 1

Format	Color
Hex	00B973
RGB	0, 185, 115
RGB Percent	0%, 73%, 45%
CMY	0.9999, 0.2745, 0.5490
CMYK	1.00, 0.00, 0.38, 0.27
HSL	157°, 100%, 36%
HSV	157°, 100%, 73%
XYZ	20.4435, 35.9357, 22.0785
YIQ	121.7050, -87.7900, -60.9900

Conversions

Conversions Part 2

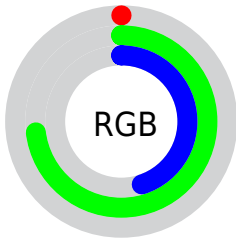
Format	Color
RYB	0, 114, 185
Decimal	47475
CIELab	66.47, -55.90, 24.69
CIELCh	66, 61.111, 156.168
Yxy	35.9357, 0.2606, 0.4580
Android (android.graphics.Color)	4278237555 (0xFF00B973)
YUV	121.7050, -3.3056, -106.7353
Hunter-Lab	59.9464, -44.0324, 20.1257

Details

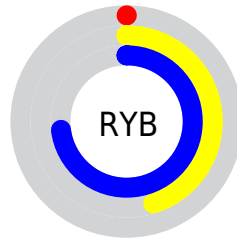
The XYZ color **20.4435, 35.9357, 22.0785** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **21.1145, 10.7574, 6.7608**, and the grayscale version is **18.4355, 19.3956, 21.1218**.

A 20% lighter version of the original color is **43.5511, 68.7811, 47.5399**, and **8.9660, 16.3586, 7.8392** is the 20% darker color. If you saturate the color by 10%, you get **20.4439, 35.9369, 22.0774**, and if you desaturate by 10%, it is **21.1218, 36.2380, 24.2947**.

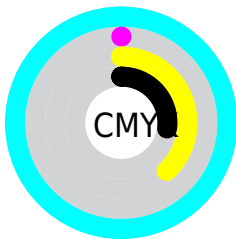
Distribution



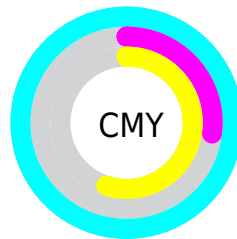
- Red (0%)
- Green (73%)
- Blue (45%)



- Red (0%)
- Yellow (45%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (38%)
- Black (27%)





- Cyan (100%)
- Magenta (27%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.4435, 35.9357, 22.0785 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 20.4435, 35.9357, 22.0785 by changing the saturation by 10% instead.


 20.4435, 35.9357,
22.0785


 20.4435, 35.9357,
22.0785


247.0941,
328.6794, 275.9228


 12.8280, 24.3845,
13.7157


 43.6578, 68.9328,
47.7796


 7.3864, 15.6191,
7.7867


 59.9873, 91.1475,
65.9549


 3.7534, 9.2550,
3.8730


 79.9521, 117.6856,
88.2382

 1.5636, 4.9079,
1.5559

 103.9177,
148.9314, 115.0480

 0.3685, 2.1933,
0.2591

 132.2493,
185.2692, 146.8028

 0.0000, 0.7164,
0.0000

 165.3123,

 0.0000, 0.0000,

227.0836, 183.9212

0.0000

203.4721,
274.7589, 226.8217

■ 20.4435, 35.9357,
22.0785

■ 20.4435, 35.9357,
22.0785

■ 20.4439, 35.9369,
22.0774

■ 21.1218, 36.2380,
24.2947

■ 22.0758, 36.6779,
26.6861

■ 23.3979, 37.3038,
29.2613

■ 25.1333, 38.1390,
32.0255

■ 27.3207, 39.2035,
34.9837

■ 29.9938, 40.5144,
38.1404

■ 33.1834, 42.0876,
41.5001

■ 36.9172, 43.9374,
45.0670

■ 41.2213, 46.0771,
48.8452

Harmonies

Analogous

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



24.7791, 35.9357, 10.8971



20.4435, 35.9357, 22.0785



19.4652, 35.9357, 44.8024

Triad

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



20.4435, 35.9357, 22.0785



36.0836, 35.9357, 113.7691



50.4414, 35.9357, 16.2681

Complementary

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



20.4435, 35.9357, 22.0785



21.1145, 10.7574, 6.7608

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.



54.8331, 35.9357, 33.9539



20.4435, 35.9357, 22.0785



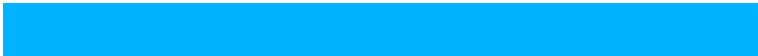
45.6420, 35.9357, 95.6197

Square

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



20.4435, 35.9357, 22.0785



27.5211, 35.9357, 105.7949



52.9359, 35.9357, 63.2569



41.7793, 35.9357, 8.7451

Rectangle

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



20.4435, 35.9357, 22.0785



20.6598, 35.9357, 65.8593



52.9359, 35.9357, 63.2569



52.5305, 35.9357, 20.8300

Sweetspot

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



20.4444, 35.9371, 22.0793



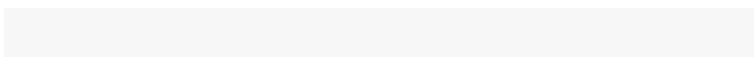
59.1210, 75.2236, 74.0145



19.9429, 36.0361, 5.9050



12.2097, 15.9522, 15.4056



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.



20.4444, 35.9371, 22.0793



36.4962, 64.3134, 38.9218



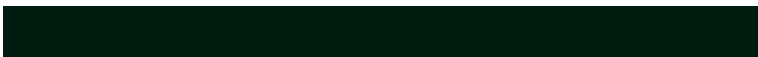
21.9296, 29.8472, 50.5059



9.1187, 10.1514, 10.7823



13.9562, 24.4834, 15.2234



0.5211, 0.8747, 0.6897

Inverse Universe

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



21.1145, 10.7574, 6.7608



37.7090, 19.2231, 11.5539



20.2877, 10.8733, 1.0300



9.1414, 9.0669, 10.0922



14.4092, 7.3374, 4.7757



0.5385, 0.2709, 0.3289

Previews

White Background



This preview shows how the XYZ color 20.4435, 35.9357, 22.0785 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 20.4435, 35.9357, 22.0785 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 20.4435, 35.9357, 22.0785

Background



This preview shows how black text looks on a background with the XYZ color 20.4435, 35.9357, 22.0785.



This preview shows how white text looks on a background with the XYZ color 20.4435, 35.9357,

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

20.4435, 35.9357, 22.0785

Protanopia

32.5762, 35.1602, 18.4343

Deuteranopia

36.0547, 35.3352, 23.3324



Tritanopia

27.0664, 35.9266, 54.2232

Trichromacy



Original Color

20.4435, 35.9357, 22.0785



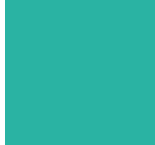
Protanomaly

23.5038, 32.8596, 19.5717



Deuteranomaly

24.5306, 32.2352, 22.3819



Tritanomaly

23.6858, 35.3768, 40.2304

Monochromacy



Original Color

20.4435, 35.9357, 22.0785



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

16.5971, 23.2024, 21.0565

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4435, 35.9357, 22.0785 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, 185, 115)` looks like.

```
.text, #text, p{  
    color:rgb(0, 185, 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, 185, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 185, 115) }
```

Border

The CSS property to change the border of an element to XYZ 20.4435, 35.9357, 22.0785 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, 185, 115) }
```


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

```
.border{ border-color:rgb(0, 185, 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, 185, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 185, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 185, 115);  
box-shadow:4px 4px 4px 4px rgb(0, 185,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4435, 35.9357, 22.0785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 185, 115) }
```

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

```
.background{ background-color: rgb(0, 185,  
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](#).

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