

Converting Colors

XYZ(15.1778, 30.5942, 30.6599)

Have a look what the booklet for
XYZ(15.1778, 30.5942, 30.6599)
contains.

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Color

**XYZ(20.6046, 33.3973,
30.9515)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00B18E |
| RGB | 0, 177, 142 |
| RGB Percent | 0%, 69%, 56% |
| CMY | 0.9999, 0.3059, 0.4431 |
| CMYK | 1.00, 0.00, 0.20, 0.31 |
| HSL | 168°, 100%, 35% |
| HSV | 168°, 100%, 69% |
| XYZ | 20.6046, 33.3973, 30.9515 |
| YIQ | 120.0870, -94.2570, -48.4090 |

Conversions

Conversions Part 2

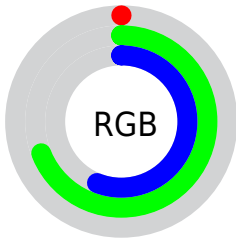
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 98, 177 |
| Decimal | 45454 |
| CIELab | 64.48, -46.54, 7.26 |
| CIELCh | 64, 47.103, 171.137 |
| Yxy | 33.3973, 0.2425, 0.3931 |
| Android (android.graphics.Color) | 4278235534 (0xFF00B18E) |
| YUV | 120.0870, 10.8031, -105.3163 |
| Hunter-Lab | 57.7904, -37.4908, 8.6986 |

Details

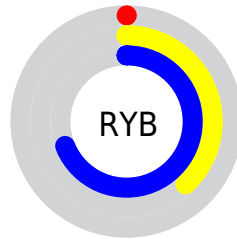
The XYZ color **20.6046, 33.3973, 30.9515** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **18.4360, 9.4693, 2.4476**, and the grayscale version is **17.8706, 18.8013, 20.4746**.

A 20% lighter version of the original color is **44.1059, 65.2641, 62.4972**, and **9.0147, 14.9386, 12.5335** is the 20% darker color. If you saturate the color by 10%, you get **20.6051, 33.3984, 30.9509**, and if you desaturate by 10%, it is **21.1166, 33.6312, 32.3699**.

Distribution



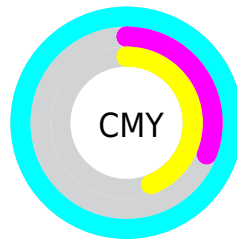
- Red (0%)
- Green (69%)
- Blue (56%)



- Red (0%)
- Yellow (38%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (31%)





- Cyan (100%)
- Magenta (31%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.6046, 33.3973, 30.9515 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 20.6046, 33.3973, 30.9515 by changing the saturation by 10% instead.


 20.6046, 33.3973,
30.9515


 20.6046, 33.3973,
30.9515


247.9413,
317.4362, 320.6591


 12.9461, 22.4310,
20.3038

 43.9248, 64.9953,
62.2424

 7.4682, 14.1739,
12.4298


 60.3172, 86.3958,
83.7226


 3.8055, 8.2417,
6.9110


 80.3516, 112.0431,
109.6508

 1.5927, 4.2500,
3.3289

 104.3934,
142.3217, 140.4454

 0.3876, 1.8144,
1.2649

 132.8079,
177.6159, 176.5250

 0.0000, 0.4961,
0.0328

 165.9605,

 0.0000, 0.0000,

218.3101, 218.3081

0.0000

204.2165,
264.7887, 266.2133

■ 20.6046, 33.3973,
30.9515

■ 20.6046, 33.3973,
30.9515

■ 20.6051, 33.3984,
30.9509

■ 21.1166, 33.6312,
32.3699

■ 21.8551, 33.9801,
33.8417

■ 22.9059, 34.4890,
35.3720

■ 24.3090, 35.1786,
36.9629

■ 26.0983, 36.0663,
38.6166

■ 28.3039, 37.1675,
40.3347

■ 30.9526, 38.4963,
42.1188

■ 34.0691, 40.0651,
43.9706

■ 37.6762, 41.8859,
45.8913

Harmonies

Analogous

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



22.7020, 33.3973, 17.7258



20.6046, 33.3973, 30.9515



21.1457, 33.3973, 51.4185

Triad

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



20.6046, 33.3973, 30.9515



36.6377, 33.3973, 82.9940



40.5673, 33.3973, 14.4795

Complementary

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



20.6046, 33.3973, 30.9515



18.4360, 9.4693, 2.4476

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.



45.3954, 33.3973, 24.5785



20.6046, 33.3973, 30.9515



42.9132, 33.3973, 64.9003

Square

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



20.6046, 33.3973, 30.9515



29.7923, 33.3973, 86.5971



46.3097, 33.3973, 42.3733



33.7774, 33.3973, 10.6747

Rectangle

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



20.6046, 33.3973, 30.9515



22.9667, 33.3973, 66.5705



46.3097, 33.3973, 42.3733



42.5113, 33.3973, 17.0378

Sweetspot

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



20.6055, 33.3986, 30.9523



55.1650, 68.8083, 75.2609



16.4301, 31.8101, 5.2745



11.5152, 14.6910, 16.0232



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.6055, 33.3986, 30.9523



36.8214, 59.7812, 55.0078



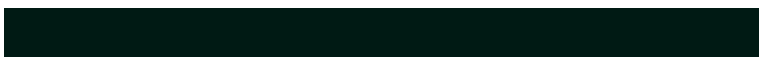
15.1323, 17.5666, 44.1896



8.6692, 9.6022, 10.5175



14.9502, 24.2061, 22.5386



0.4888, 0.7690, 0.8060

Inverse Universe

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



18.4360, 9.4693, 2.4476



32.9540, 16.9328, 4.0534



19.4105, 11.9040, 1.2751



8.5628, 8.5318, 9.1961



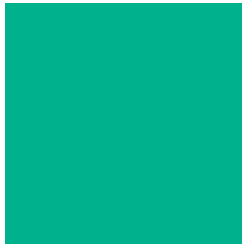
13.3745, 6.8674, 1.8663



0.4410, 0.2241, 0.1648

Previews

White Background



This preview shows how the XYZ color 20.6046, 33.3973, 30.9515 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 20.6046, 33.3973, 30.9515 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

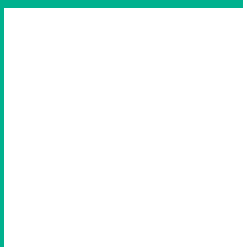
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.6046, 33.3973, 30.9515

Background



This preview shows how black text looks on a background with the XYZ color 20.6046, 33.3973, 30.9515.

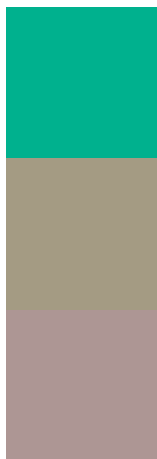


This preview shows how white text looks on a background with the XYZ color 20.6046, 33.3973,

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

20.6046, 33.3973, 30.9515

Protanopia

31.1279, 32.9739, 26.1967

Deuteranopia

33.4852, 32.8350, 32.5899



Tritanopia

24.7881, 33.3855, 51.0365

Trichromacy



Original Color

20.6046, 33.3973, 30.9515



Protanomaly

23.1793, 30.8867, 27.6617



Deuteranomaly

24.1895, 30.5319, 31.8125



Tritanomaly

22.7647, 33.0918, 42.7236

Monochromacy



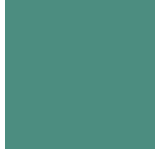
Original Color

20.6046, 33.3973, 30.9515



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

16.4016, 22.1448, 23.8320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6046, 33.3973, 30.9515 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, 177, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 142)  
}
```

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, 177, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 142) }
```

Border

The CSS property to change the border of an element to XYZ 20.6046, 33.3973, 30.9515 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, 177, 142) }
```


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

```
.border{ border-color:rgb(0, 177, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 177, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 177, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 177, 142); box-shadow:4px 4px 4px 4px rgb(0, 177, 142) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6046, 33.3973, 30.9515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 142) }
```

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

```
.background{ background-color: rgb(0, 177,  
142) }
```

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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