

Converting Colors

XYZ(10.0381, 30.1743, 27.3380)

Have a look what the booklet for
XYZ(10.0381, 30.1743, 27.3380)
contains.

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Color

**XYZ(21.3741, 35.9744,
28.0075)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00B885 |
| RGB | 0, 184, 133 |
| RGB Percent | 0%, 72%, 52% |
| CMY | 0.9999, 0.2784, 0.4784 |
| CMYK | 1.00, 0.00, 0.28, 0.28 |
| HSL | 163°, 100%, 36% |
| HSV | 163°, 100%, 72% |
| XYZ | 21.3741, 35.9744, 28.0075 |
| YIQ | 123.1700, -93.2930, -54.8690 |

Conversions

Conversions Part 2

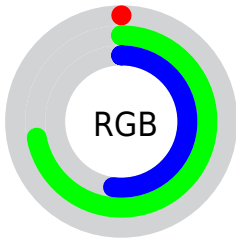
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 107, 184 |
| Decimal | 47237 |
| CIELab | 66.50, -51.55, 15.05 |
| CIELCh | 67, 53.701, 163.727 |
| Yxy | 35.9744, 0.2504, 0.4215 |
| Android (android.graphics.Color) | 4278237317 (0xFF00B885) |
| YUV | 123.1700, 4.8462, -108.0201 |
| Hunter-Lab | 59.9787, -41.3521, 14.2991 |

Details

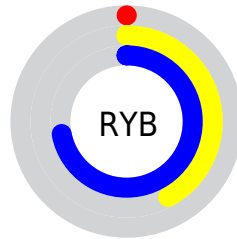
The XYZ color **21.3741, 35.9744, 28.0075** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **20.3660, 10.4303, 4.0739**, and the grayscale version is **18.8915, 19.8754, 21.6443**.

A 20% lighter version of the original color is **45.1421, 68.9426, 57.3824**, and **9.5440, 16.5898, 10.8827** is the 20% darker color. If you saturate the color by 10%, you get **21.3745, 35.9756, 28.0066**, and if you desaturate by 10%, it is **21.9933, 36.2528, 29.9219**.

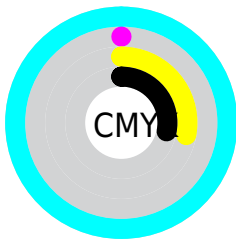
Distribution



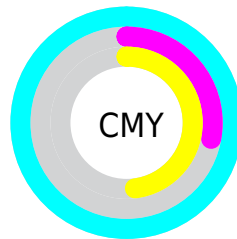
- Red (0%)
- Green (72%)
- Blue (52%)



- Red (0%)
- Yellow (42%)
- Blue (72%)



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





- Cyan (100%)
- Magenta (28%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.3741, 35.9744, 28.0075 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 21.3741, 35.9744, 28.0075 by changing the saturation by 10% instead.


 21.3741, 35.9744,
28.0075


 21.3741, 35.9744,
28.0075


251.9543,
328.8486, 306.4158


 13.5117, 24.4144,
18.0922


 45.1959, 68.9926,
57.5197


 7.8613, 15.6413,
10.8461

 61.8861, 91.2195,
77.9536


 4.0574, 9.2707,
5.8506


 82.2496, 117.7709,
102.7309

 1.7346, 4.9182,
2.6871

 106.6517,
149.0312, 132.2700

 0.4778, 2.1993,
0.9369

 135.4579,
185.3847, 166.9895

 0.0000, 0.7196,
0.0000

 169.0335,

 0.0000, 0.0000,

227.2159, 207.3080

0.0000

207.7438,
274.9090, 253.6439

■ 21.3741, 35.9744,
28.0075

■ 21.3741, 35.9744,
28.0075

■ 21.3745, 35.9756,
28.0066

■ 21.9933, 36.2528,
29.9219

■ 22.8708, 36.6615,
31.9382

■ 24.0980, 37.2483,
34.0626

■ 25.7191, 38.0362,
36.2985

■ 27.7717, 39.0445,
38.6486

■ 30.2890, 40.2902,
41.1157

■ 33.3008, 41.7887,
43.7024

■ 36.8343, 43.5540,
46.4110

■ 40.9147, 45.5991,
49.2436

Harmonies

Analogous

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



24.5640, 35.9744, 15.0620



21.3741, 35.9744, 28.0075



21.2441, 35.9744, 50.6687

Triad

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



21.3741, 35.9744, 28.0075



38.0017, 35.9744, 100.0041



46.6526, 35.9744, 15.8110

Complementary

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



21.3741, 35.9744, 28.0075



20.3660, 10.4303, 4.0739

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.



51.5561, 35.9744, 29.5576



21.3741, 35.9744, 28.0075



46.0566, 35.9744, 80.7705

Square

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



21.3741, 35.9744, 28.0075



30.0331, 35.9744, 99.0542



51.3222, 35.9744, 52.9627



38.7195, 35.9744, 10.1528

Rectangle

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



21.3741, 35.9744, 28.0075



22.8596, 35.9744, 69.3266



51.3222, 35.9744, 52.9627



48.7617, 35.9744, 19.3403

Sweetspot

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



21.3751, 35.9758, 28.0083



60.0630, 75.6004, 78.9747



18.5649, 35.0162, 5.7808



12.4361, 16.0427, 16.5977



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.



21.3751, 35.9758, 28.0083



38.6393, 65.1707, 50.2071



18.6466, 23.4497, 48.8925



9.1576, 10.1670, 10.9873



14.7618, 24.8057, 19.4654



0.5452, 0.8844, 0.8167

Inverse Universe

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



20.3660, 10.4303, 4.0739



36.8300, 18.8714, 6.9248



20.5227, 11.7003, 1.1772



9.1042, 9.0520, 9.8961



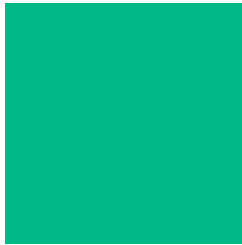
14.0616, 7.1984, 2.9452



0.5229, 0.2646, 0.2468

Previews

White Background



This preview shows how the XYZ color 21.3741, 35.9744, 28.0075 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 21.3741, 35.9744, 28.0075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

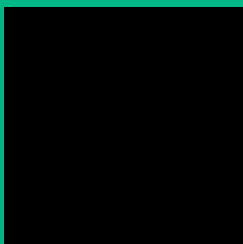
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

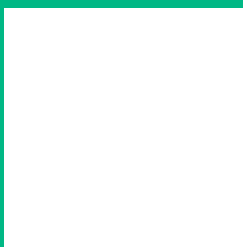
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.3741, 35.9744, 28.0075

Background



This preview shows how black text looks on a background with the XYZ color 21.3741, 35.9744, 28.0075.

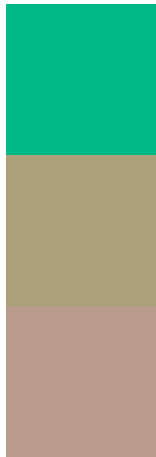


This preview shows how white text looks on a background with the XYZ color 21.3741, 35.9744,

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

21.3741, 35.9744, 28.0075

Protanopia

33.0969, 35.3174, 23.4849

Deuteranopia

36.2221, 35.5265, 29.7591



Tritanopia

27.0506, 36.1980, 54.8514

Trichromacy



Original Color

21.3741, 35.9744, 28.0075



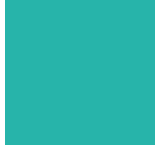
Protanomaly

24.2605, 33.1335, 24.8554



Deuteranomaly

25.4877, 32.8605, 28.6663



Tritanomaly

24.4137, 35.9761, 43.6876

Monochromacy



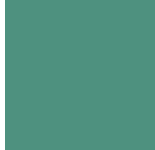
Original Color

21.3741, 35.9744, 28.0075



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

17.0980, 23.4028, 23.6947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.3741, 35.9744, 28.0075 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, 184, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 133)  
}
```

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, 184, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 133) }
```

Border

The CSS property to change the border of an element to XYZ 21.3741, 35.9744, 28.0075 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, 184, 133) }
```


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

```
.border{ border-color:rgb(0, 184, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 21.3741, 35.9744, 28.0075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 133) }
```

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

```
.background{ background-color: rgb(0, 184,  
133) }
```

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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