

Converting Colors

XYZ(21.3303, 35.8240, 28.1846)

Have a look what the booklet for
XYZ(21.3303, 35.8240, 28.1846)
contains.

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Color

**XYZ(21.4436, 36.0022,
28.3732)**

Conversions

Conversions Part 1

Format	Color
Hex	00B886
RGB	0, 184, 134
RGB Percent	0%, 72%, 53%
CMY	0.9999, 0.2784, 0.4745
CMYK	1.00, 0.00, 0.27, 0.28
HSL	164°, 100%, 36%
HSV	164°, 100%, 72%
XYZ	21.4436, 36.0022, 28.3732
YIQ	123.2840, -93.6140, -54.5580

Conversions

Conversions Part 2

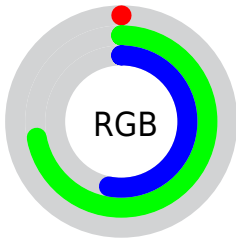
Format	Color
RYB	0, 106, 184
Decimal	47238
CIELab	66.52, -51.31, 14.53
CIELCh	67, 53.330, 164.186
Yxy	36.0022, 0.2499, 0.4195
Android (android.graphics.Color)	4278237318 (0xFF00B886)
YUV	123.2840, 5.2830, -108.1201
Hunter-Lab	60.0018, -41.2104, 13.9647

Details

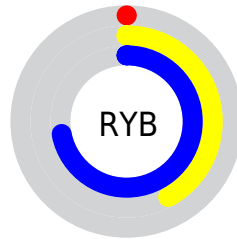
The XYZ color **21.4436, 36.0022, 28.3732** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **20.3443, 10.4217, 3.9596**, and the grayscale version is **18.9284, 19.9141, 21.6865**.

A 20% lighter version of the original color is **45.2488, 68.9852, 57.9443**, and **9.5829, 16.6054, 11.0876** is the 20% darker color. If you saturate the color by 10%, you get **21.4439, 36.0033, 28.3718**, and if you desaturate by 10%, it is **22.0589, 36.2790, 30.2670**.

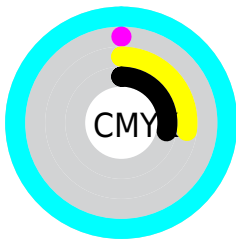
Distribution



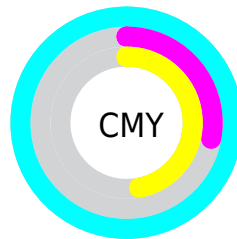
- Red (0%)
- Green (72%)
- Blue (53%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (28%)





- Cyan (100%)
- Magenta (28%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.4436, 36.0022, 28.3732 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 21.4436, 36.0022, 28.3732 by changing the saturation by 10% instead.


 21.4436, 36.0022,
28.3732


 21.4436, 36.0022,
28.3732


252.3140,
328.9702, 308.2138


 13.5629, 24.4359,
18.3657


 45.3104, 69.0355,
58.1100


 7.8970, 15.6573,
11.0407


 62.0272, 91.2712,
78.6763


 4.0804, 9.2820,
5.9797


 82.4202, 117.8322,
103.5994

 1.7477, 4.9256,
2.7641

 106.8546,
149.1029, 133.2976

 0.4858, 2.2036,
0.9755

 135.6958,
185.4676, 168.1897

 0.0000, 0.7220,
0.0000

 169.3092,

 0.0000, 0.0000,

227.3108, 208.6940

0.0000

208.0602,
275.0169, 255.2292

■ 21.4436, 36.0022,
28.3732

■ 21.4436, 36.0022,
28.3732

■ 21.4439, 36.0033,
28.3718

■ 22.0589, 36.2790,
30.2670

■ 22.9320, 36.6859,
32.2593

■ 24.1540, 37.2708,
34.3563

■ 25.7693, 38.0564,
36.5613

■ 27.8156, 39.0621,
38.8770

■ 30.3258, 40.3050,
41.3061

■ 33.3297, 41.8004,
43.8511

■ 36.8547, 43.5623,
46.5141

■ 40.9259, 45.6037,
49.2975

Harmonies

Analogous

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



24.5732, 36.0022, 15.3261



21.4436, 36.0022, 28.3732



21.3609, 36.0022, 51.0260

Triad

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



21.4436, 36.0022, 28.3732



38.1314, 36.0022, 99.3474



46.4850, 36.0022, 15.8043

Complementary

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



21.4436, 36.0022, 28.3732



20.3443, 10.4217, 3.9596

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.



51.4153, 36.0022, 29.3593



21.4436, 36.0022, 28.3732



46.1069, 36.0022, 80.0662

Square

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



21.4436, 36.0022, 28.3732



30.1937, 36.0022, 98.7463



51.2670, 36.0022, 52.4813



38.5871, 36.0022, 10.2452

Rectangle

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



21.4436, 36.0022, 28.3732



23.0007, 36.0022, 69.5509



51.2670, 36.0022, 52.4813



48.5955, 36.0022, 19.2825

Sweetspot

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



21.4446, 36.0036, 28.3740



60.1147, 75.6211, 79.2470



18.5651, 35.0163, 5.7810



12.4486, 16.0477, 16.6634



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.



21.4446, 36.0036, 28.3740



38.7661, 65.2214, 50.8749



18.6469, 23.4500, 48.8925



9.1597, 10.1679, 10.9983



14.8093, 24.8247, 19.7154



0.5465, 0.8849, 0.8239

Inverse Universe

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



20.3443, 10.4217, 3.9596



36.7917, 18.8561, 6.7234



20.5229, 11.7006, 1.1774



9.1022, 9.0513, 9.8856



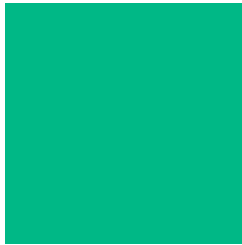
14.0462, 7.1922, 2.8643



0.5220, 0.2643, 0.2424

Previews

White Background



This preview shows how the XYZ color 21.4436, 36.0022, 28.3732 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 21.4436, 36.0022, 28.3732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

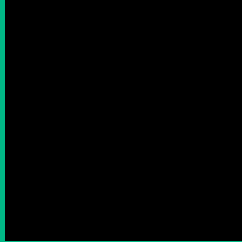
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 21.4436, 36.0022, 28.3732

Background



This preview shows how black text looks on a background with the XYZ color 21.4436, 36.0022, 28.3732.



This preview shows how white text looks on a background with the XYZ color 21.4436, 36.0022,

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

21.4436, 36.0022, 28.3732

Protanopia

33.1592, 35.3423, 23.8130

Deuteranopia

36.0575, 35.4331, 30.1381



Tritanopia

26.9896, 36.1665, 54.8486

Trichromacy



Original Color

21.4436, 36.0022, 28.3732



Protanomaly

24.3254, 33.1595, 25.1970



Deuteranomaly

25.4261, 32.8204, 29.0396



Tritanomaly

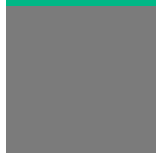
24.3763, 35.9569, 43.6858

Monochromacy



Original Color

21.4436, 36.0022, 28.3732



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 21.4436, 36.0022, 28.3732 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, 134)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 134)  
}
```

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, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 134) }
```

Border

The CSS property to change the border of an element to XYZ 21.4436, 36.0022, 28.3732 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, 134) }
```


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

```
.border{ border-color:rgb(0, 184, 134) }
```

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, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 134);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4436, 36.0022, 28.3732 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, 134) }
```

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

```
.background{ background-color: rgb(0, 184,  
134) }
```

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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