

Converting Colors

XYZ(21.3608, 33.2162, 36.3781)

Have a look what the booklet for
XYZ(21.3608, 33.2162, 36.3781)
contains.

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Color

**XYZ(21.2589, 33.0330,
36.2659)**

Conversions

Conversions Part 1

Format	Color
Hex	01AF9B
RGB	1, 175, 155
RGB Percent	0%, 69%, 61%
CMY	0.9960, 0.3137, 0.3922
CMYK	0.99, 0.00, 0.11, 0.31
HSL	173°, 99%, 35%
HSV	173°, 99%, 69%
XYZ	21.2589, 33.0330, 36.2659
YIQ	120.6940, -97.2840, -43.1080

Conversions

Conversions Part 2

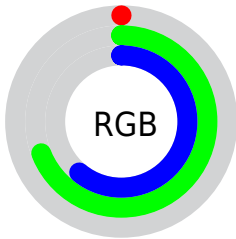
Format	Color
RYB	1, 93, 175
Decimal	110491
CIELab	64.19, -42.13, -0.38
CIELCh	64, 42.130, 180.519
Yxy	33.0330, 0.2348, 0.3648
Android (android.graphics.Color)	4278300571 (0xFF01AF9B)
YUV	120.6940, 16.9129, -104.9716
Hunter-Lab	57.4743, -34.5556, 2.8205

Details

The XYZ color **21.2589, 33.0330, 36.2659** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.8265, 9.1908, 1.5451**, and the grayscale version is **18.0477, 18.9876, 20.6775**.

A 20% lighter version of the original color is **44.9084, 64.2421, 70.3546**, and **9.3361, 14.6742, 15.4370** is the 20% darker color. If you saturate the color by 10%, you get **21.2371, 33.0237, 36.2140**, and if you desaturate by 10%, it is **21.6768, 33.2295, 37.1757**.

Distribution



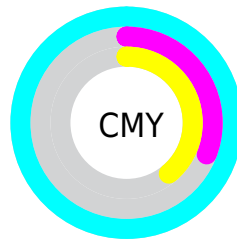
- Red (0%)
- Green (69%)
- Blue (61%)



- Red (0%)
- Yellow (36%)
- Blue (69%)



- Cyan (99%)
- Magenta (0%)
- Yellow (11%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2589, 33.0330, 36.2659 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 21.2589, 33.0330, 36.2659 by changing the saturation by 10% instead.

■ 21.2589, 33.0330,
36.2659

■ 21.2589, 33.0330,
36.2659

■ 251.3570,
315.7984, 345.1937

■ 13.4269, 22.1517,
24.3483

■ 45.0061, 64.4270,
70.6159

■ 7.8022, 13.9684,
15.3776

■ 61.6519, 85.7086,
93.8855

■ 4.0194, 8.0987,
8.9353

■ 81.9665, 111.2257,
121.7760

■ 1.7131, 4.1582,
4.6027

■ 106.3151,
141.3628, 154.7062

■ 0.4644, 1.7624,
1.9615

■ 135.0631,
176.5042, 193.0945

■ 0.0000, 0.4636,
0.5314

■ 168.5758,

■ 0.0000, 0.0000,

217.0343, 237.3595

0.0000

207.2187,
263.3376, 287.9198

■ 21.2589, 33.0330,
36.2659

■ 21.2589, 33.0330,
36.2659

■ 21.2371, 33.0237,
36.2140

■ 21.6768, 33.2295,
37.1757

■ 22.3191, 33.5406,
38.1100

■ 23.2628, 34.0068,
39.0733

■ 24.5462, 34.6477,
40.0673

■ 26.2020, 35.4803,
41.0938

■ 28.2592, 36.5195,
42.1541

■ 30.7438, 37.7787,
43.2495

■ 33.6794, 39.2700,
44.3812

■ 37.0883, 41.0050,
45.5503

Harmonies

Analogous

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



22.4255, 33.0330, 22.0911



21.2589, 33.0330, 36.2659



22.5087, 33.0330, 55.3818

Triad

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



21.2589, 33.0330, 36.2659



37.5954, 33.0330, 72.3788



37.3928, 33.0330, 14.2657

Complementary

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



21.2589, 33.0330, 36.2659



17.8265, 9.1908, 1.5451

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.



42.3621, 33.0330, 21.7205



21.2589, 33.0330, 36.2659



42.4892, 33.0330, 54.6970

Square

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



21.2589, 33.0330, 36.2659



31.5010, 33.0330, 79.8826



44.3334, 33.0330, 35.6704



31.2930, 33.0330, 12.0893

Rectangle

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



21.2589, 33.0330, 36.2659



24.6482, 33.0330, 67.7824



44.3334, 33.0330, 35.6704



39.2771, 33.0330, 16.0900

Sweetspot

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



21.2599, 33.0343, 36.2667



54.5291, 67.3889, 77.2359



15.6523, 30.8263, 5.1545



11.6979, 14.7640, 16.9853



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.



21.2599, 33.0343, 36.2667



37.9814, 59.1212, 64.5809



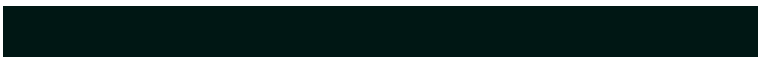
13.1464, 13.8927, 42.5476



8.1961, 9.0560, 10.0575



15.2226, 23.6543, 26.0094



0.4345, 0.6624, 0.7814

Inverse Universe

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



17.8265, 9.1908, 1.5451



31.8503, 16.3978, 2.4690



19.7354, 13.2165, 1.5403



8.0413, 8.0298, 8.5283



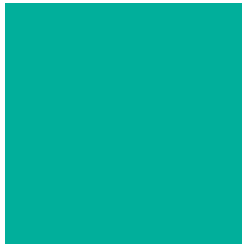
12.7642, 6.5682, 1.1376



0.3667, 0.1874, 0.0926

Previews

White Background



This preview shows how the XYZ color 21.2589, 33.0330, 36.2659 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 21.2589, 33.0330, 36.2659 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

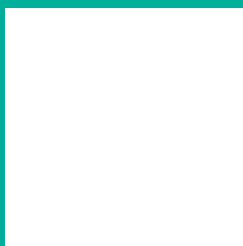
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.2589, 33.0330, 36.2659

Background



This preview shows how black text looks on a background with the XYZ color 21.2589, 33.0330, 36.2659.

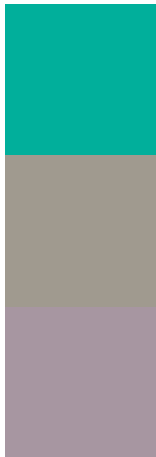


This preview shows how white text looks on a background with the XYZ color 21.2589, 33.0330,

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

21.2589, 33.0330, 36.2659

Protanopia

31.0107, 32.5680, 30.6384

Deuteranopia

33.2757, 32.6014, 38.2571



Tritanopia

24.4466, 33.2094, 51.0205

Trichromacy



Original Color

21.2589, 33.0330, 36.2659



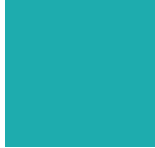
Protanomaly

23.6663, 30.7720, 32.2960



Deuteranomaly

24.7195, 30.4253, 37.3707



Tritanomaly

22.9279, 32.8371, 45.1742

Monochromacy



Original Color

21.2589, 33.0330, 36.2659



Achromatopsia

18.1737, 19.1202, 20.8219



Achromatomaly

16.8191, 22.3210, 25.6122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2589, 33.0330, 36.2659 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(1, 175, 155)` looks like.

```
.text, #text, p{  
    color:rgb(1, 175, 155)  
}
```

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(1, 175, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 175, 155) }
```

Border

The CSS property to change the border of an element to XYZ 21.2589, 33.0330, 36.2659 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(1, 175, 155) }
```


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

```
.border{ border-color:rgb(1, 175, 155) }
```

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

Here you see how a box with a 4 pixel rgb(1, 175, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 175, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 175, 155);  
box-shadow:4px 4px 4px 4px rgb(1, 175,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2589, 33.0330, 36.2659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 175, 155) }
```

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

```
.background{ background-color: rgb(1, 175,  
155) }
```

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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