

Converting Colors

XYZ(17.4662, 33.0641, 36.4180)

Have a look what the booklet for
XYZ(17.4662, 33.0641, 36.4180)
contains.

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Color

**XYZ(22.6443, 35.8225,
36.7313)**

Conversions

Conversions Part 1

Format	Color
Hex	00B69B
RGB	0, 182, 155
RGB Percent	0%, 71%, 61%
CMY	0.9999, 0.2863, 0.3922
CMYK	1.00, 0.00, 0.15, 0.29
HSL	171°, 100%, 36%
HSV	171°, 100%, 71%
XYZ	22.6443, 35.8225, 36.7313
YIQ	124.5040, -99.8050, -46.9810

Conversions

Conversions Part 2

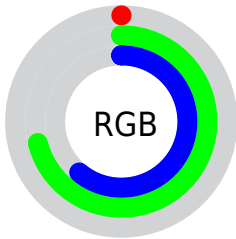
Format	Color
RYB	0, 98, 182
Decimal	46747
CIELab	66.38, -45.14, 2.81
CIELCh	66, 45.228, 176.432
Yxy	35.8225, 0.2379, 0.3763
Android (android.graphics.Color)	4278236827 (0xFF00B69B)
YUV	124.5040, 15.0345, -109.1900
Hunter-Lab	59.8519, -37.2073, 5.5099

Details

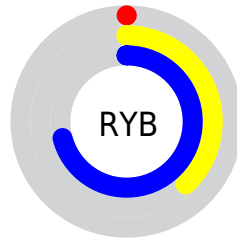
The XYZ color **22.6443, 35.8225, 36.7313** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **19.4904, 10.0251, 1.9459**, and the grayscale version is **19.3039, 20.3092, 22.1168**.

A 20% lighter version of the original color is **47.3049, 68.8778, 71.1231**, and **10.2179, 16.4378, 15.7310** is the 20% darker color. If you saturate the color by 10%, you get **22.6449, 35.8237, 36.7310**, and if you desaturate by 10%, it is **23.1280, 36.0462, 37.9520**.

Distribution



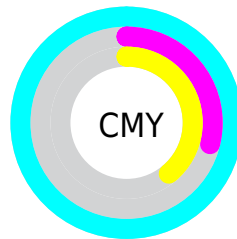
- Red (0%)
- Green (71%)
- Blue (61%)



- Red (0%)
- Yellow (38%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (29%)



- Cyan (100%)
- Magenta (29%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6443, 35.8225, 36.7313 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 22.6443, 35.8225, 36.7313 by changing the saturation by 10% instead.

■ 22.6443, 35.8225,
36.7313

■ 22.6443, 35.8225,
36.7313

258.4623,
328.1841, 347.2793

■ 14.4503, 24.2971,
24.7054

■ 47.2796, 68.7580,
71.3410

■ 8.5183, 15.5542,
15.6407

■ 64.4516, 90.9370,
94.7619

■ 4.4829, 9.2092,
9.1186

■ 85.3470, 117.4359,
122.8182

■ 1.9788, 4.8779,
4.7208

■ 110.3311,
148.6392, 155.9284

■ 0.6220, 2.1758,
2.0285

■ 139.7694,
184.9313, 194.5111

■ 0.0000, 0.7068,
0.5727

■ 174.0271,

■ 0.0000, 0.0000,

226.6965, 238.9847

0.0000

213.4696,
274.3193, 289.7680

■ 22.6443, 35.8225,
36.7313

■ 22.6443, 35.8225,
36.7313

■ 22.6449, 35.8237,
36.7310

■ 23.1280, 36.0462,
37.9520

■ 23.8513, 36.3920,
39.2098

■ 24.9034, 36.9067,
40.5098

■ 26.3274, 37.6125,
41.8541

■ 28.1598, 38.5282,
43.2448

■ 30.4325, 39.6704,
44.6833

■ 33.1743, 41.0538,
46.1713

■ 36.4117, 42.6920,
47.7101

■ 40.1690, 44.5976,
49.3010

Harmonies

Analogous

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



24.3178, 35.8225, 21.8172



22.6443, 35.8225, 36.7313



23.6766, 35.8225, 58.0515

Triad

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



22.6443, 35.8225, 36.7313



40.1738, 35.8225, 82.7861



41.7602, 35.8225, 15.4676

Complementary

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



22.6443, 35.8225, 36.7313



19.4904, 10.0251, 1.9459

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.



47.0772, 35.8225, 24.6591



22.6443, 35.8225, 36.7313



46.0794, 35.8225, 63.4463

Square

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



22.6443, 35.8225, 36.7313



33.2449, 35.8225, 89.2612



48.7533, 35.8225, 41.3698



34.8644, 35.8225, 12.3838

Rectangle

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



22.6443, 35.8225, 36.7313



25.8457, 35.8225, 72.7080



48.7533, 35.8225, 41.3698



43.8250, 35.8225, 17.7577

Sweetspot

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



22.6453, 35.8239, 36.7321



59.8637, 74.2865, 83.5632



17.1891, 33.6945, 5.5983



12.7411, 16.1648, 18.2040



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.



22.6453, 35.8239, 36.7321



40.9840, 64.9178, 66.2247



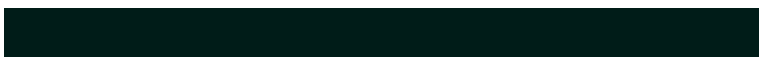
14.9588, 16.4072, 46.6361



9.2078, 10.1871, 11.2519



16.0102, 25.3050, 26.0396



0.5801, 0.8984, 1.0009

Inverse Universe

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



19.4904, 10.0251, 1.9459



35.2813, 18.1528, 3.2490



21.1095, 13.5800, 1.5091



9.0575, 9.0334, 9.6501



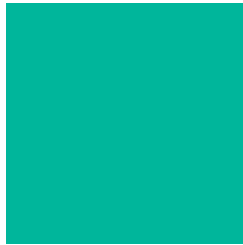
13.7788, 7.0853, 1.4562



0.5031, 0.2567, 0.1425

Previews

White Background



This preview shows how the XYZ color 22.6443, 35.8225, 36.7313 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 22.6443, 35.8225, 36.7313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

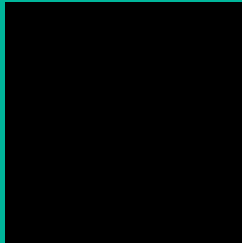
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

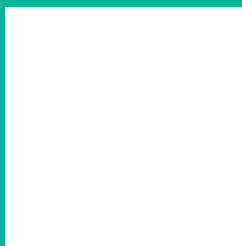
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.6443, 35.8225, 36.7313

Background



This preview shows how black text looks on a background with the XYZ color 22.6443, 35.8225, 36.7313.

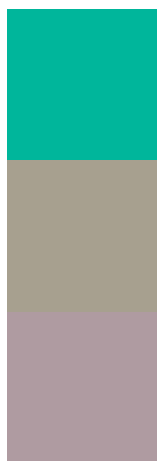


This preview shows how white text looks on a background with the XYZ color 22.6443, 35.8225,

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

22.6443, 35.8225, 36.7313

Protanopia

33.4651, 35.3403, 31.0442

Deuteranopia

35.8336, 35.1299, 38.6103



Tritanopia

26.4914, 35.9097, 54.8252

Trichromacy



Original Color

22.6443, 35.8225, 36.7313



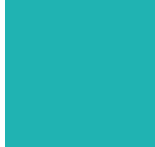
Protanomaly

25.2130, 33.1760, 32.6785



Deuteranomaly

26.2687, 32.7930, 37.7461



Tritanomaly

24.7516, 35.7616, 47.7176

Monochromacy



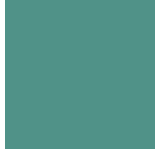
Original Color

22.6443, 35.8225, 36.7313



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

18.0311, 24.0408, 26.9826

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6443, 35.8225, 36.7313 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, 182, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 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(0, 182, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 155) }
```

Border

The CSS property to change the border of an element to XYZ 22.6443, 35.8225, 36.7313 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, 182, 155) }
```


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

```
.border{ border-color:rgb(0, 182, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6443, 35.8225, 36.7313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 155) }
```

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

```
.background{ background-color: rgb(0, 182,  
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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