

Converting Colors

XYZ(23.1196, 36.3822, 36.3758)

Have a look what the booklet for
XYZ(23.1196, 36.3822, 36.3758)
contains.

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Color

**XYZ(23.1196, 36.3822,
36.3758)**

Conversions

Conversions Part 1

Format	Color
Hex	17B79A
RGB	23, 183, 154
RGB Percent	9%, 72%, 60%
CMY	0.9097, 0.2823, 0.3961
CMYK	0.87, 0.00, 0.16, 0.28
HSL	169°, 78%, 40%
HSV	169°, 87%, 72%
XYZ	23.1196, 36.3822, 36.3758
YIQ	131.8540, -86.0510, -42.9390

Conversions

Conversions Part 2

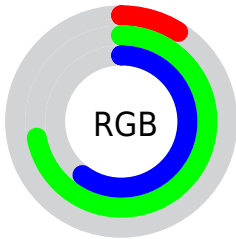
Format	Color
R _Y B	23, 111, 183
Decimal	1554330
CIE Lab	66.81, -44.83, 4.00
CIE LCh	67, 45.005, 174.899
Yxy	36.3822, 0.2411, 0.3795
Android (android.graphics.Color)	4279744410 (0xFF17B79A)
YUV	131.8540, 10.9180, -95.4650
Hunter-Lab	60.3177, -37.1373, 6.4663

Details

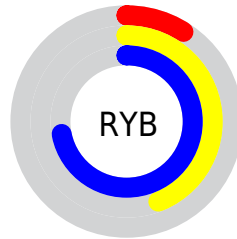
The XYZ color **23.1196, 36.3822, 36.3758** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **20.4560, 10.9291, 4.2822**, and the grayscale version is **21.8658, 23.0045, 25.0519**.

A 20% lighter version of the original color is **48.0247, 69.6990, 70.5966**, and **10.2984, 16.6798, 15.5087** is the 20% darker color. If you saturate the color by 10%, you get **22.5534, 36.1227, 34.9275**, and if you desaturate by 10%, it is **23.9742, 36.7913, 37.8791**.

Distribution



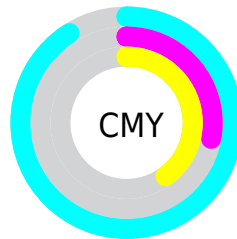
- Red (9%)
- Green (72%)
- Blue (60%)



- Red (9%)
- Yellow (44%)
- Blue (72%)



- Cyan (87%)
- Magenta (0%)
- Yellow (16%)
- Black (28%)



- Cyan (91%)
- Magenta (28%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1196, 36.3822, 36.3758 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 23.1196, 36.3822, 36.3758 by changing the saturation by 10% instead.

■ 23.1196, 36.3822,
36.3758

■ 23.1196, 36.3822,
36.3758

260.8626,
330.6280, 345.6871

■ 14.8030, 24.7295,
24.4326

■ 48.0548, 69.6216,
70.7873

■ 8.7667, 15.8757,
15.4397

■ 65.4042, 91.9771,
94.0926

■ 4.6452, 9.4362,
8.9785

■ 86.4953, 118.6689,
122.0224

■ 2.0732, 5.0268,
4.6305

■ 111.6933,
150.0816, 154.9952

■ 0.6746, 2.2630,
1.9772

■ 141.3637,
186.5994, 193.4295

■ 0.0000, 0.7540,
0.5412

175.8718,

■ 0.0000, 0.0000,

228.6069, 237.7439

0.0000

215.5830,
276.4882, 288.3569

■ 23.1196, 36.3822,
36.3758

■ 23.1196, 36.3822,
36.3758

■ 22.5534, 36.1227,
34.9275

■ 23.9742, 36.7913,
37.8791

■ 22.4253, 36.0646,
34.5614

■ 25.1754, 37.3773,
39.4379

■ 26.7657, 38.1629,
41.0554

■ 28.7809, 39.1667,
42.7337

■ 31.2524, 40.4049,
44.4743

■ 34.2089, 41.8921,
46.2791

■ 37.6764, 43.6419,
48.1495

■ 41.6794, 45.6668,
50.0869

■ 46.2405, 47.9784,
52.0928

Harmonies

Analogous

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



24.9448, 36.3822, 21.7420



23.1196, 36.3822, 36.3758



24.0210, 36.3822, 57.5711

Triad

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



23.1196, 36.3822, 36.3758



40.3846, 36.3822, 84.2332



42.6600, 36.3822, 16.1905

Complementary

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



23.1196, 36.3822, 36.3758



20.4560, 10.9291, 4.2822

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.



47.8531, 36.3822, 25.8430



23.1196, 36.3822, 36.3758



46.4233, 36.3822, 65.2946

Square

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



23.1196, 36.3822, 36.3758



33.4302, 36.3822, 89.8665



49.3131, 36.3822, 43.0390



35.7563, 36.3822, 12.7907

Rectangle

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



23.1196, 36.3822, 36.3758



26.1178, 36.3822, 72.3751



49.3131, 36.3822, 43.0390



44.6976, 36.3822, 18.6192

Sweetspot

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



23.1206, 36.3836, 36.3767



61.8410, 75.3157, 83.2100



18.5230, 34.6693, 6.5270



13.2261, 16.4170, 18.1285



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.



23.1206, 36.3836, 36.3767



40.0834, 64.5576, 61.4822



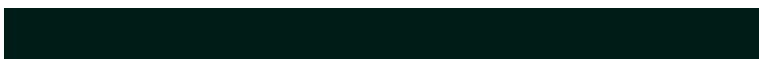
17.1987, 20.1963, 47.7931



9.1949, 10.1819, 11.1839



15.6669, 25.1677, 24.2316



0.5707, 0.8946, 0.9514

Inverse Universe

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



20.4560, 10.9291, 4.2822



35.4110, 18.2047, 3.9319



22.1113, 14.9843, 2.5383



9.0693, 9.0381, 9.7125



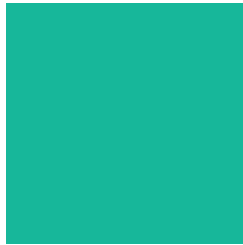
13.8353, 7.1079, 1.7538



0.5081, 0.2587, 0.1692

Previews

White Background



This preview shows how the XYZ color 23.1196, 36.3822, 36.3758 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 23.1196, 36.3822, 36.3758 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

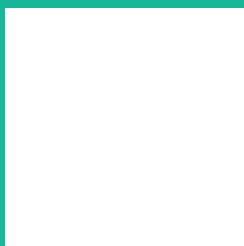
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.1196, 36.3822, 36.3758

Background



This preview shows how black text looks on a background with the XYZ color 23.1196, 36.3822, 36.3758.

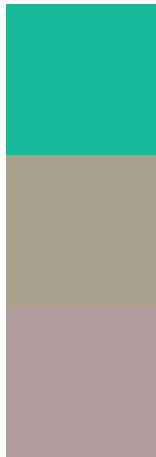


This preview shows how white text looks on a background with the XYZ color 23.1196, 36.3822,

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

23.1196, 36.3822, 36.3758

Protanopia

33.9895, 35.8777, 30.7248

Deuteranopia

36.3651, 35.6621, 38.2245



Tritanopia

27.0657, 36.4873, 55.4854

Trichromacy



Original Color

23.1196, 36.3822, 36.3758



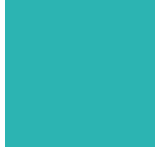
Protanomaly

26.5787, 34.1643, 32.3876



Deuteranomaly

27.6929, 33.8060, 37.4134



Tritanomaly

25.3958, 36.3923, 47.8054

Monochromacy



Original Color

23.1196, 36.3822, 36.3758



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

20.2139, 26.3020, 28.8223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1196, 36.3822, 36.3758 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(23, 183, 154)` looks like.

```
.text, #text, p{  
    color:rgb(23, 183, 154)  
}
```

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(23, 183, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 183, 154) }
```

Border

The CSS property to change the border of an element to XYZ 23.1196, 36.3822, 36.3758 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(23, 183, 154) }
```


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

```
.border{ border-color:rgb(23, 183, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(23, 183, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 183, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 183, 154);  
box-shadow:4px 4px 4px 4px rgb(23, 183,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1196, 36.3822, 36.3758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 183, 154) }
```

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

```
.background{ background-color: rgb(23, 183,  
154) }
```

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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