

Converting Colors

XYZ(10.4559, 21.4579, 17.1744)

Have a look what the booklet for
XYZ(10.4559, 21.4579, 17.1744)
contains.

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Color

**XYZ(13.6681, 23.1738,
17.3883)**

Conversions

Conversions Part 1

Format	Color
Hex	00976A
RGB	0, 151, 106
RGB Percent	0%, 59%, 42%
CMY	1.0000, 0.4078, 0.5843
CMYK	1.00, 0.00, 0.30, 0.41
HSL	162°, 100%, 30%
HSV	162°, 100%, 59%
XYZ	13.6681, 23.1738, 17.3883
YIQ	100.7210, -75.5510, -46.0070

Conversions

Conversions Part 2

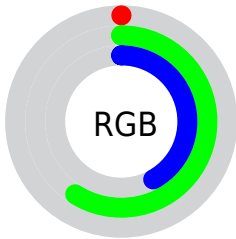
Format	Color
RYB	0, 89, 151
Decimal	38762
CIELab	55.25, -45.16, 14.34
CIELCh	55, 47.383, 162.386
Yxy	23.1738, 0.2520, 0.4273
Android (android.graphics.Color)	4278228842 (0xFF00976A)
YUV	100.7210, 2.6025, -88.3323
Hunter-Lab	48.1392, -33.5623, 12.2813

Details

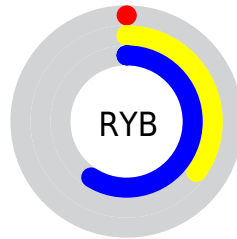
The XYZ color **13.6681, 23.1738, 17.3883** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **13.2369, 6.7693, 3.0926**, and the grayscale version is **12.3062, 12.9470, 14.0993**.

A 20% lighter version of the original color is **31.9949, 48.5554, 39.5841**, and **5.2513, 9.2394, 5.6443** is the 20% darker color. If you saturate the color by 10%, you get **13.6685, 23.1746, 17.3881**, and if you desaturate by 10%, it is **14.1077, 23.3732, 18.6635**.

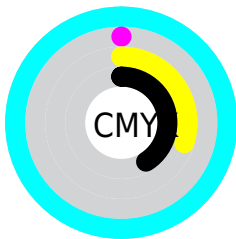
Distribution



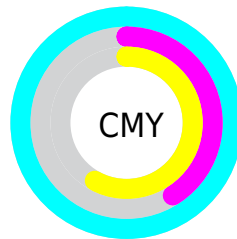
- Red (0%)
- Green (59%)
- Blue (42%)



- Red (0%)
- Yellow (35%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (41%)



- Cyan (100%)
- Magenta (41%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6681, 23.1738, 17.3883 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 13.6681, 23.1738, 17.3883 by changing the saturation by 10% instead.

■ 13.6681, 23.1738,
17.3883

■ 13.6681, 23.1738,
17.3883

208.7084,
268.6164, 249.5195

■ 7.9703, 14.7219,
10.3468

■ 32.0902, 48.6785,
39.7920

■ 4.1276, 8.6244,
5.5209

■ 45.5452, 66.5002,
55.9913

■ 1.7746, 4.4970,
2.4920

■ 62.3166, 88.2138,
76.0802

■ 0.5023, 1.9553,
0.8359

■ 82.7699, 114.2039,
100.4775

■ 0.0000, 0.5813,
0.0000

■ 107.2704,
144.8548, 129.6014

■ 0.0000, 0.0000,
0.0000

■ 136.1834,

180.5510, 163.8707

169.8743,
221.6767, 203.7039

■ 13.6681, 23.1738,
17.3883

■ 13.6681, 23.1738,
17.3883

■ 13.6685, 23.1746,
17.3881

■ 14.1077, 23.3732,
18.6635

■ 14.7032, 23.6511,
20.0105

■ 15.5229, 24.0430,
21.4341

■ 16.5936, 24.5628,
22.9363

■ 17.9382, 25.2223,
24.5192

■ 19.5770, 26.0320,
26.1845

■ 21.5282, 27.0011,
27.9340

■ 23.8085, 28.1384,
29.7694

■ 26.4336, 29.4519,
31.6920

Harmonies

Analogous

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



15.8436, 23.1738, 9.2273



13.6681, 23.1738, 17.3883



13.4937, 23.1738, 32.0272

Triad

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



13.6681, 23.1738, 17.3883



24.2858, 23.1738, 65.8419



30.4467, 23.1738, 10.2243

Complementary

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



13.6681, 23.1738, 17.3883



13.2369, 6.7693, 3.0926

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.



33.5593, 23.1738, 19.4736



13.6681, 23.1738, 17.3883



29.6380, 23.1738, 53.5249

Square

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



13.6681, 23.1738, 17.3883



19.0828, 23.1738, 64.5440



33.2416, 23.1738, 35.1388



25.2572, 23.1738, 6.3810

Rectangle

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



13.6681, 23.1738, 17.3883



14.4899, 23.1738, 44.3238



33.2416, 23.1738, 35.1388



31.8053, 23.1738, 12.6023

Sweetspot

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



13.6687, 23.1747, 17.3888



38.3245, 48.2404, 49.8303



12.1628, 22.6989, 3.7405



8.3901, 10.8050, 11.0462



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.6687, 23.1747, 17.3888



24.3942, 41.4680, 30.6992



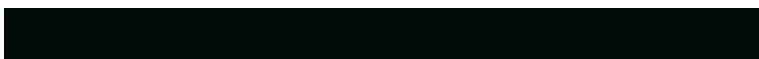
12.3998, 15.8616, 31.6873



6.3061, 6.9952, 7.5353



11.6406, 19.7197, 14.8600



0.1898, 0.3011, 0.3051

Inverse Universe

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



13.2369, 6.7693, 3.0926



23.6331, 12.0935, 5.1612



13.2326, 7.5187, 0.7541



6.2808, 6.2515, 6.8587



11.2717, 5.7629, 2.6899



0.1831, 0.0920, 0.1172

Previews

White Background



This preview shows how the XYZ color 13.6681, 23.1738, 17.3883 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 13.6681, 23.1738, 17.3883 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 × Fail

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

XYZ 13.6681, 23.1738, 17.3883

Background



This preview shows how black text looks on a background with the XYZ color 13.6681, 23.1738, 17.3883.



This preview shows how white text looks on a background with the XYZ color 13.6681, 23.1738,

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

13.6681, 23.1738, 17.3883

Protanopia

21.2585, 22.7584, 14.5816

Deuteranopia

23.2211, 22.9058, 18.2363



Tritanopia

17.4914, 23.3549, 35.0385

Trichromacy



Original Color

13.6681, 23.1738, 17.3883



Protanomaly

15.6052, 21.2707, 15.3398



Deuteranomaly

16.3883, 21.1992, 17.6961



Tritanomaly

15.6168, 23.0095, 27.6629

Monochromacy



Original Color

13.6681, 23.1738, 17.3883



Achromatopsia

12.3695, 13.0136, 14.1719



Achromatomaly

11.1594, 15.2629, 15.1898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6681, 23.1738, 17.3883 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, 151, 106)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 106)  
}
```

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, 151, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 106) }
```

Border

The CSS property to change the border of an element to XYZ 13.6681, 23.1738, 17.3883 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, 151, 106) }
```


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

```
.border{ border-color:rgb(0, 151, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 151, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 106);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6681, 23.1738, 17.3883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 106) }
```

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

```
.background{ background-color: rgb(0, 151,  
106) }
```

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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