

Converting Colors

XYZ(10.5061, 21.7553, 13.5321)

Have a look what the booklet for
XYZ(10.5061, 21.7553, 13.5321)
contains.

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Color

**XYZ(13.1166, 23.2118,
13.6865)**

Conversions

Conversions Part 1

Format	Color
Hex	00985B
RGB	0, 152, 91
RGB Percent	0%, 60%, 36%
CMY	1.0000, 0.4039, 0.6431
CMYK	1.00, 0.00, 0.40, 0.40
HSL	156°, 100%, 30%
HSV	156°, 100%, 60%
XYZ	13.1166, 23.2118, 13.6865
YIQ	99.5980, -71.0110, -51.1950

Conversions

Conversions Part 2

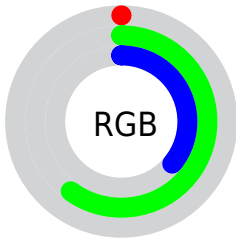
Format	Color
RYB	0, 95, 152
Decimal	39003
CIELab	55.29, -48.90, 22.73
CIELCh	55, 53.924, 155.073
Yxy	23.2118, 0.2623, 0.4641
Android (android.graphics.Color)	4278229083 (0xFF00985B)
YUV	99.5980, -4.2388, -87.3474
Hunter-Lab	48.1786, -35.7161, 16.8820

Details

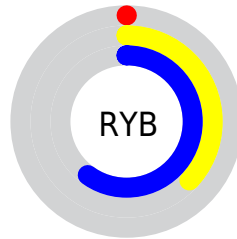
The XYZ color **13.1166, 23.2118, 13.6865** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **13.7922, 7.0130, 5.0435**, and the grayscale version is **12.0355, 12.6622, 13.7892**.

A 20% lighter version of the original color is **31.0331, 48.5571, 33.3280**, and **5.0118, 9.2962, 3.9131** is the 20% darker color. If you saturate the color by 10%, you get **13.1168, 23.2126, 13.6859**, and if you desaturate by 10%, it is **13.5916, 23.4256, 15.1395**.

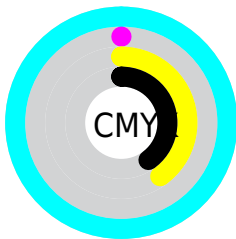
Distribution



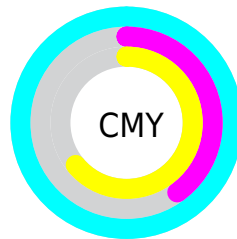
- Red (0%)
- Green (60%)
- Blue (36%)



- Red (0%)
- Yellow (37%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (40%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1166, 23.2118, 13.6865 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 13.1166, 23.2118, 13.6865 by changing the saturation by 10% instead.


 13.1166, 23.2118,
13.6865


 13.1166, 23.2118,
13.6865


205.2861,
268.8110, 226.6319


 7.5864, 14.7500,
7.7667


 31.1126, 48.7409,
33.2408


 3.8810, 8.6441,
3.8604


 44.3092, 66.5769,
47.7124


 1.6351, 4.5098,
1.5491


 60.7920, 88.3065,
65.8716

 0.4151, 1.9626,
0.2541

 80.9263, 114.3139,
88.1371

 0.0000, 0.5856,
0.0000

 105.0775,
144.9837, 114.9273

 0.0000, 0.0000,
0.0000

 133.6110,

180.7003, 146.6608

166.8921,
221.8479, 183.7562

■ 13.1166, 23.2118,
13.6865

■ 13.1166, 23.2118,
13.6865

■ 13.1168, 23.2126,
13.6859

■ 13.5916, 23.4256,
15.1395

■ 14.2346, 23.7229,
16.7141

■ 15.1147, 24.1399,
18.4166

■ 16.2595, 24.6906,
20.2506

■ 17.6925, 25.3872,
22.2196

■ 19.4345, 26.2405,
24.3267

■ 21.5045, 27.2599,
26.5751

■ 23.9196, 28.4545,
28.9677

■ 26.6959, 29.8325,
31.5074

Harmonies

Analogous

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



16.0385, 23.2118, 6.6547



13.1166, 23.2118, 13.6865



12.3973, 23.2118, 28.3303

Triad

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



13.1166, 23.2118, 13.6865



23.1051, 23.2118, 74.9957



32.9986, 23.2118, 10.5734

Complementary

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



13.1166, 23.2118, 13.6865



13.7922, 7.0130, 5.0435

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.



35.7715, 23.2118, 22.4452



13.1166, 23.2118, 13.6865



29.4317, 23.2118, 63.4426

Square

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



13.1166, 23.2118, 13.6865



17.5200, 23.2118, 69.0313



34.3600, 23.2118, 42.0456



27.3284, 23.2118, 5.5181

Rectangle

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



13.1166, 23.2118, 13.6865



13.1254, 23.2118, 42.1528



34.3600, 23.2118, 42.0456



34.3433, 23.2118, 13.6359

Sweetspot

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



13.1172, 23.2127, 13.6870



37.7232, 47.9999, 46.6641



13.3005, 23.5254, 3.8402



8.2390, 10.7446, 10.2509



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.



13.1172, 23.2127, 13.6870



23.0620, 40.9352, 23.6839



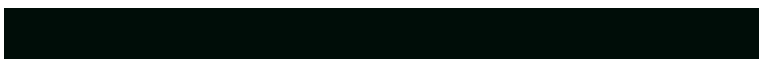
14.9493, 20.8301, 32.9395



6.2795, 6.9845, 7.3955



11.0134, 19.4688, 11.5568



0.1826, 0.2982, 0.2671

Inverse Universe

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



13.7922, 7.0130, 5.0435



24.2603, 12.3444, 8.4640



13.0893, 6.9554, 0.6530



6.3064, 6.2617, 6.9935



11.5783, 5.8856, 4.3044



0.1904, 0.0949, 0.1552

Previews

White Background



This preview shows how the XYZ color 13.1166, 23.2118, 13.6865 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 13.1166, 23.2118, 13.6865 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 13.1166, 23.2118, 13.6865

Background



This preview shows how black text looks on a background with the XYZ color 13.1166, 23.2118, 13.6865.



This preview shows how white text looks on a background with the XYZ color 13.1166, 23.2118,

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

13.1166, 23.2118, 13.6865

Protanopia

21.3142, 23.0564, 11.5106

Deuteranopia

23.3288, 22.8527, 14.4907



Tritanopia

17.5496, 23.1590, 34.9977

Trichromacy



Original Color

13.1166, 23.2118, 13.6865



Protanomaly

15.3260, 21.4124, 12.1293



Deuteranomaly

15.8751, 20.8068, 14.0059



Tritanomaly

15.2917, 22.8907, 25.4422

Monochromacy



Original Color

13.1166, 23.2118, 13.6865



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

10.8688, 15.1467, 13.6600

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1166, 23.2118, 13.6865 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, 152, 91)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 91)  
}
```

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, 152, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 91) }
```

Border

The CSS property to change the border of an element to XYZ 13.1166, 23.2118, 13.6865 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, 152, 91) }
```


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

```
.border{ border-color:rgb(0, 152, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 152, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 91);  
box-shadow:4px 4px 4px 4px rgb(0, 152, 91)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.1166, 23.2118, 13.6865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 152, 91) }
```

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

```
.background{ background-color: rgb(0, 152,  
91) }
```

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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