

Converting Colors

XYZ(12.7138, 23.3117, 10.7598)

Have a look what the booklet for
XYZ(12.7138, 23.3117, 10.7598)
contains.

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Color

**XYZ(12.7308, 23.3183,
10.8511)**

Conversions

Conversions Part 1

Format	Color
Hex	00994D
RGB	0, 153, 77
RGB Percent	0%, 60%, 30%
CMY	1.0000, 0.4000, 0.6980
CMYK	1.00, 0.00, 0.50, 0.40
HSL	150°, 100%, 30%
HSV	150°, 100%, 60%
XYZ	12.7308, 23.3183, 10.8511
YIQ	98.5890, -66.7920, -56.0720

Conversions

Conversions Part 2

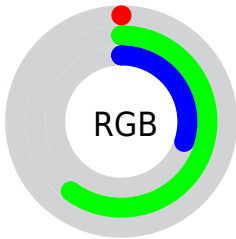
Format	Color
RYB	0, 102, 153
Decimal	39245
CIELab	55.40, -51.93, 30.38
CIElCh	55, 60.160, 149.675
Yxy	23.3183, 0.2714, 0.4972
Android (android.graphics.Color)	4278229325 (0xFF00994D)
YUV	98.5890, -10.6434, -86.4626
Hunter-Lab	48.2890, -37.4465, 20.4792

Details

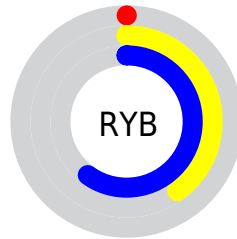
The XYZ color **12.7308, 23.3183, 10.8511** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **14.4422, 7.2946, 7.4855**, and the grayscale version is **11.7951, 12.4094, 13.5138**.

A 20% lighter version of the original color is **30.5617, 49.1595, 27.9566**, and **4.7915, 9.2081, 2.7531** is the 20% darker color. If you saturate the color by 10%, you get **12.7312, 23.3192, 10.8511**, and if you desaturate by 10%, it is **13.2176, 23.5371, 12.3582**.

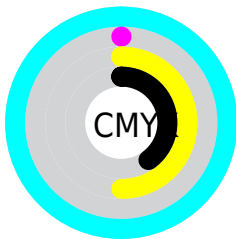
Distribution



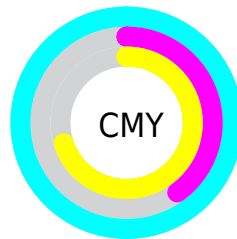
- Red (0%)
- Green (60%)
- Blue (30%)



- Red (0%)
- Yellow (40%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7308, 23.3183, 10.8511 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 12.7308, 23.3183, 10.8511 by changing the saturation by 10% instead.

■ 12.7308, 23.3183,
10.8511

■ 12.7308, 23.3183,
10.8511

202.8578,
269.3557, 207.3438

■ 7.3192, 14.8287,
5.8539

■ 30.4247, 48.9154,
28.0169

■ 3.7106, 8.6993,
2.6891

■ 43.4378, 66.7918,
41.0226

■ 1.5397, 4.5455,
0.9379

■ 59.7153, 88.5659,
57.5349

■ 0.3526, 1.9832,
0.0000

■ 79.6226, 114.6220,
77.9723

■ 0.0000, 0.5977,
0.0000

■ 103.5252,
145.3447, 102.7533

■ 0.0000, 0.0000,
0.0000

■ 131.7884,

181.1183, 132.2966

164.7774,
222.3271, 167.0205

■ 12.7308, 23.3183,
10.8511

■ 12.7308, 23.3183,
10.8511

■ 12.7312, 23.3192,
10.8511

■ 13.2176, 23.5371,
12.3582

■ 13.8856, 23.8448,
14.0424

■ 14.8049, 24.2783,
15.9126

■ 16.0040, 24.8521,
17.9749

■ 17.5074, 25.5786,
20.2353

■ 19.3365, 26.4689,
22.6991

■ 21.5111, 27.5330,
25.3718

■ 24.0490, 28.7801,
28.2584

■ 26.9669, 30.2186,
31.3637

Harmonies

Analogous

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



16.3312, 23.3183, 4.8367



12.7308, 23.3183, 10.8511



11.5412, 23.3183, 25.1789

Triad

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



12.7308, 23.3183, 10.8511



22.0896, 23.3183, 83.7672



35.4829, 23.3183, 11.0601

Complementary

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



12.7308, 23.3183, 10.8511



14.4422, 7.2946, 7.4855

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.



37.8669, 23.3183, 25.6016



12.7308, 23.3183, 10.8511



29.2409, 23.3183, 73.4082

Square

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



12.7308, 23.3183, 10.8511



16.2272, 23.3183, 72.9800



35.3820, 23.3183, 49.2034



29.3950, 23.3183, 4.9070

Rectangle

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



12.7308, 23.3183, 10.8511



12.0392, 23.3183, 40.0973



35.3820, 23.3183, 49.2034



36.7931, 23.3183, 14.8061

Sweetspot

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



12.7314, 23.3192, 10.8516



38.2721, 49.1839, 45.1401



14.4124, 24.3406, 3.9388



8.1064, 10.6915, 9.5525



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.



12.7314, 23.3192, 10.8516



22.7054, 41.7228, 18.9379



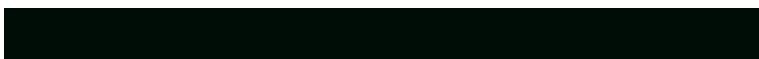
17.1417, 25.0834, 34.0763



6.2553, 6.9748, 7.2679



10.5386, 19.2789, 9.0568



0.1759, 0.2956, 0.2320

Inverse Universe

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



14.4422, 7.2946, 7.4855



25.7694, 13.0255, 12.9110



13.1375, 6.7727, 0.6150



6.3303, 6.2713, 7.1195



11.9525, 6.0352, 6.2746



0.1970, 0.0976, 0.1903

Previews

White Background



This preview shows how the XYZ color 12.7308, 23.3183, 10.8511 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 12.7308, 23.3183, 10.8511 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 12.7308, 23.3183, 10.8511

Background



This preview shows how black text looks on a background with the XYZ color 12.7308, 23.3183, 10.8511.



This preview shows how white text looks on a background with the XYZ color 12.7308, 23.3183,

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

12.7308, 23.3183, 10.8511

Protanopia

21.0338, 22.9645, 9.1183

Deuteranopia

23.3592, 22.9327, 11.5828



Tritanopia

17.7189, 23.2464, 35.0056

Trichromacy



Original Color

12.7308, 23.3183, 10.8511



Protanomaly

14.9943, 21.5125, 9.6654



Deuteranomaly

15.6562, 20.9691, 11.0069



Tritanomaly

15.0274, 22.7931, 23.6861

Monochromacy



Original Color

12.7308, 23.3183, 10.8511



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

10.5351, 15.0057, 12.2387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7308, 23.3183, 10.8511 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, 153, 77)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 77)  
}
```

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, 153, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 77) }
```

Border

The CSS property to change the border of an element to XYZ 12.7308, 23.3183, 10.8511 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, 153, 77) }
```


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

```
.border{ border-color:rgb(0, 153, 77) }
```

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

Here you see how a box with a 4 pixel rgb(0, 153, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 77);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 77)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.7308, 23.3183, 10.8511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 77) }
```

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

```
.background{ background-color: rgb(0, 153,  
77) }
```

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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