

Converting Colors

XYZ(10.4099, 22.2850, 10.1206)

Have a look what the booklet for
XYZ(10.4099, 22.2850, 10.1206)
contains.

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Color

**XYZ(12.7582, 23.5922,
10.1847)**

Conversions

Conversions Part 1

Format	Color
Hex	009A49
RGB	0, 154, 73
RGB Percent	0%, 60%, 29%
CMY	1.0000, 0.3961, 0.7137
CMYK	1.00, 0.00, 0.53, 0.40
HSL	148°, 100%, 30%
HSV	148°, 100%, 60%
XYZ	12.7582, 23.5922, 10.1847
YIQ	98.7200, -65.7830, -57.8390

Conversions

Conversions Part 2

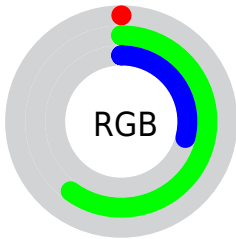
Format	Color
RYB	0, 104, 154
Decimal	39497
CIELab	55.68, -52.95, 32.79
CIELCh	56, 62.279, 148.226
Yxy	23.5922, 0.2742, 0.5070
Android (android.graphics.Color)	4278229577 (0xFF009A49)
YUV	98.7200, -12.6800, -86.5774
Hunter-Lab	48.5718, -38.1146, 21.5681

Details

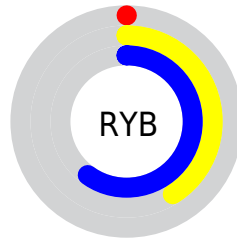
The XYZ color **12.7582, 23.5922, 10.1847** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **14.8124, 7.4646, 8.4460**, and the grayscale version is **11.8328, 12.4491, 13.5570**.

A 20% lighter version of the original color is **30.5522, 49.5495, 26.6926**, and **4.8291, 9.3775, 2.4752** is the 20% darker color. If you saturate the color by 10%, you get **12.7586, 23.5931, 10.1846**, and if you desaturate by 10%, it is **13.2488, 23.8127, 11.7028**.

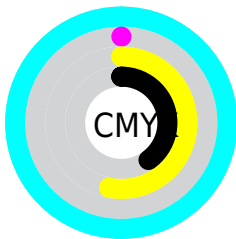
Distribution



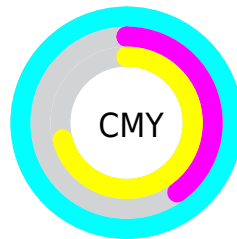
- Red (0%)
- Green (60%)
- Blue (29%)



- Red (0%)
- Yellow (41%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (53%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7582, 23.5922, 10.1847 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 12.7582, 23.5922, 10.1847 by changing the saturation by 10% instead.

■ 12.7582, 23.5922,
10.1847

■ 12.7582, 23.5922,
10.1847

203.0312,
270.7522, 202.5177

■ 7.3381, 15.0314,
5.4144

■ 30.4737, 49.3639,
26.7556

■ 3.7226, 8.8414,
2.4294

■ 43.4998, 67.3436,
39.3932

■ 1.5464, 4.6379,
0.8024

■ 59.7920, 89.2317,
55.4903

■ 0.3571, 2.0364,
0.0000

■ 79.7156, 115.4126,
75.4655

■ 0.0000, 0.6285,
0.0000

■ 103.6360,
146.2707, 99.7373

■ 0.0000, 0.0000,
0.0000

■ 131.9185,

182.1904, 128.7243

164.9284,
223.5561, 162.8449

■ 12.7582, 23.5922,
10.1847

■ 12.7582, 23.5922,
10.1847

■ 12.7586, 23.5931,
10.1846

■ 13.2488, 23.8127,
11.7028

■ 13.9270, 24.1250,
13.4186

■ 14.8640, 24.5665,
15.3420

■ 16.0887, 25.1518,
17.4805

■ 17.6263, 25.8938,
19.8410

■ 19.4989, 26.8038,
22.4301

■ 21.7266, 27.8920,
25.2540

■ 24.3276, 29.1677,
28.3187

■ 27.3193, 30.6398,
31.6299

Harmonies

Analogous

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



16.6022, 23.5922, 4.4147



12.7582, 23.5922, 10.1847



11.4172, 23.5922, 24.5045

Triad

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



12.7582, 23.5922, 10.1847



22.0066, 23.5922, 87.3410



36.6193, 23.5922, 11.3502

Complementary

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



12.7582, 23.5922, 10.1847



14.8124, 7.4646, 8.4460

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.



38.8919, 23.5922, 26.9088



12.7582, 23.5922, 10.1847



29.4680, 23.5922, 77.3482

Square

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



12.7582, 23.5922, 10.1847



16.0143, 23.5922, 74.8686



36.0403, 23.5922, 52.0443



30.3489, 23.5922, 4.7968

Rectangle

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



12.7582, 23.5922, 10.1847



11.8523, 23.5922, 39.8499



36.0403, 23.5922, 52.0443



37.9273, 23.5922, 15.3551

Sweetspot

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



12.7588, 23.5932, 10.1852



39.2025, 50.5369, 45.5511



15.0477, 24.9121, 4.0156



8.4992, 11.2558, 9.8448



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



12.7588, 23.5932, 10.1852



23.0796, 42.8186, 17.9919



16.9705, 25.2778, 32.3638



6.2479, 6.9719, 7.2291



10.4122, 19.2283, 8.3914



0.1739, 0.2947, 0.2213

Inverse Universe

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



14.8124, 7.4646, 8.4460



26.8080, 13.5198, 14.8215



13.3551, 6.8817, 0.7720



6.3377, 6.2742, 7.1584



12.0857, 6.0885, 6.9762



0.1991, 0.0984, 0.2011

Previews

White Background



This preview shows how the XYZ color 12.7582, 23.5922, 10.1847 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 12.7582, 23.5922, 10.1847 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 12.7582, 23.5922, 10.1847

Background



This preview shows how black text looks on a background with the XYZ color 12.7582, 23.5922, 10.1847.



This preview shows how white text looks on a background with the XYZ color 12.7582, 23.5922,

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

12.7582, 23.5922, 10.1847

Protanopia

21.4035, 23.3714, 8.5373

Deuteranopia

23.7353, 23.3350, 10.8425



Tritanopia

18.0747, 23.6458, 35.5097

Trichromacy



Original Color

12.7582, 23.5922, 10.1847



Protanomaly

15.2151, 21.8591, 9.0475



Deuteranomaly

15.7647, 21.2519, 10.2923



Tritanomaly

15.1551, 23.0982, 23.3983

Monochromacy



Original Color

12.7582, 23.5922, 10.1847



Achromatopsia

11.8596, 12.4772, 13.5877



Achromatomaly

10.4922, 14.9886, 12.0130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7582, 23.5922, 10.1847 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, 154, 73)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 73)  
}
```

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, 154, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 73) }
```

Border

The CSS property to change the border of an element to XYZ 12.7582, 23.5922, 10.1847 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, 154, 73) }
```


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

```
.border{ border-color:rgb(0, 154, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 154, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 73);  
box-shadow:4px 4px 4px 4px rgb(0, 154, 73)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.7582, 23.5922, 10.1847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 73) }
```

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

```
.background{ background-color: rgb(0, 154,  
73) }
```

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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