

Converting Colors

XYZ(12.1803, 23.0981, 7.9524)

Have a look what the booklet for
XYZ(12.1803, 23.0981, 7.9524)
contains.

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Color

**XYZ(12.1807, 23.0982,
7.9541)**

Conversions

Conversions Part 1

Format	Color
Hex	00993B
RGB	0, 153, 59
RGB Percent	0%, 60%, 23%
CMY	1.0000, 0.4000, 0.7686
CMYK	1.00, 0.00, 0.61, 0.40
HSL	143°, 100%, 30%
HSV	143°, 100%, 60%
XYZ	12.1807, 23.0982, 7.9541
YIQ	96.5370, -61.0140, -61.6700

Conversions

Conversions Part 2

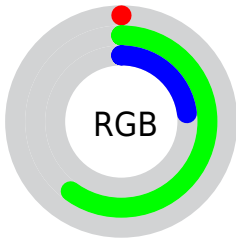
Format	Color
RYB	0, 110, 153
Decimal	39227
CIELab	55.17, -54.70, 39.11
CIELCh	55, 67.238, 144.436
Yxy	23.0982, 0.2817, 0.5343
Android (android.graphics.Color)	4278229307 (0xFF00993B)
YUV	96.5370, -18.5057, -84.6629
Hunter-Lab	48.0606, -38.8662, 23.8298

Details

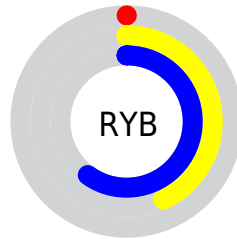
The XYZ color **12.1807, 23.0982, 7.9541** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **15.1583, 7.5811, 11.2563**, and the grayscale version is **11.3045, 11.8932, 12.9517**.

A 20% lighter version of the original color is **29.4913, 48.7313, 22.3197**, and **4.5846, 9.1253, 1.6633** is the 20% darker color. If you saturate the color by 10%, you get **12.1810, 23.0990, 7.9538**, and if you desaturate by 10%, it is **12.6495, 23.3098, 9.3662**.

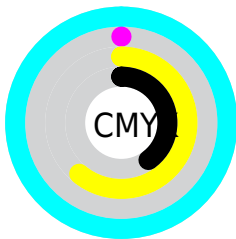
Distribution



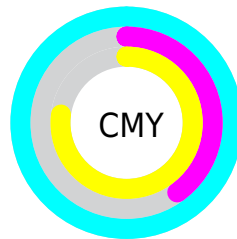
- Red (0%)
- Green (60%)
- Blue (23%)



- Red (0%)
- Yellow (43%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (61%)
- Black (40%)





- Cyan (100%)
- Magenta (40%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1807, 23.0982, 7.9541 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 12.1807, 23.0982, 7.9541 by changing the saturation by 10% instead.


 12.1807, 23.0982,
7.9541

 12.1807, 23.0982,
7.9541


199.3435,
268.2290, 185.2927

 6.9399, 14.6660,
3.9782


 29.4378, 48.5545,
22.4131


 3.4706, 8.5853,
1.6134


 42.1848, 66.3475,
33.7333


 1.4072, 4.4717,
0.3004

 58.1647, 88.0295,
48.3387

 0.2614, 1.9408,
0.0000

 77.7427, 113.9849,
66.6479

 0.0000, 0.5727,
0.0000

 101.2842,
144.5982, 89.0793

 0.0000, 0.0000,
0.0000

 129.1546,

180.2537, 116.0516

161.7193,
221.3358, 147.9832

■ 12.1807, 23.0982,
7.9541

■ 12.1807, 23.0982,
7.9541

■ 12.1810, 23.0990,
7.9538

■ 12.6495, 23.3098,
9.3662

■ 13.3132, 23.6158,
11.0276

■ 14.2430, 24.0535,
12.9528

■ 15.4684, 24.6378,
15.1533

■ 17.0148, 25.3815,
17.6396

■ 18.9044, 26.2961,
20.4218

■ 21.1579, 27.3918,
23.5095

■ 23.7937, 28.6780,
26.9116

■ 26.8295, 30.1637,
30.6369

Harmonies

Analogous

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



16.5076, 23.0982, 3.1655



12.1807, 23.0982, 7.9541



10.4931, 23.0982, 21.3511

Triad

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



12.1807, 23.0982, 7.9541



20.5842, 23.0982, 92.8150



37.8931, 23.0982, 11.6315

Complementary

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



12.1807, 23.0982, 7.9541



15.1583, 7.5811, 11.2563

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.



39.6833, 23.0982, 29.3748



12.1807, 23.0982, 7.9541



28.4835, 23.0982, 84.6858

Square

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



12.1807, 23.0982, 7.9541



14.5833, 23.0982, 75.9968



35.9148, 23.0982, 57.6709



31.4655, 23.0982, 4.2827

Rectangle

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



12.1807, 23.0982, 7.9541



10.7319, 23.0982, 36.9286



35.9148, 23.0982, 57.6709



39.1107, 23.0982, 16.1872

Sweetspot

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



12.1813, 23.0991, 7.9546



37.6291, 48.9268, 41.7541



16.0443, 25.1818, 4.0152



7.9517, 10.6297, 8.7380



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.



12.1813, 23.0991, 7.9546



21.7292, 41.3324, 13.7974



15.7758, 24.5369, 26.8830



6.2258, 6.9631, 7.1126



10.0824, 19.0964, 6.6544



0.1677, 0.2923, 0.1888

Inverse Universe

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



15.1583, 7.5811, 11.2563



27.0523, 13.5387, 19.6666



13.2455, 6.8160, 1.1838



6.3602, 6.2832, 7.2770



12.5440, 6.2718, 9.3896



0.2052, 0.1008, 0.2336

Previews

White Background



This preview shows how the XYZ color 12.1807, 23.0982, 7.9541 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 12.1807, 23.0982, 7.9541 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 12.1807, 23.0982, 7.9541

Background



This preview shows how black text looks on a background with the XYZ color 12.1807, 23.0982, 7.9541.



This preview shows how white text looks on a background with the XYZ color 12.1807, 23.0982,

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

12.1807, 23.0982, 7.9541

Protanopia

20.7479, 22.8706, 6.6891

Deuteranopia

23.0447, 22.6495, 8.4674



Tritanopia

17.6633, 23.0036, 34.5195

Trichromacy



Original Color

12.1807, 23.0982, 7.9541



Protanomaly

14.5819, 21.3592, 6.9686



Deuteranomaly

15.0689, 20.5229, 8.0176



Tritanomaly

14.6606, 22.6548, 21.3694

Monochromacy



Original Color

12.1807, 23.0982, 7.9541



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

9.9092, 14.3712, 10.4353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1807, 23.0982, 7.9541 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, 59)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 59)  
}
```

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, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 59) }
```

Border

The CSS property to change the border of an element to XYZ 12.1807, 23.0982, 7.9541 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, 59) }
```


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

```
.border{ border-color:rgb(0, 153, 59) }
```

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, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 59);  
box-shadow:4px 4px 4px 4px rgb(0, 153, 59)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.1807, 23.0982, 7.9541 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, 59) }
```

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

```
.background{ background-color: rgb(0, 153,  
59) }
```

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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