

Converting Colors

XYZ(11.3525, 21.4597, 7.6229)

Have a look what the booklet for
XYZ(11.3525, 21.4597, 7.6229)
contains.

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Color

**XYZ(11.3793, 21.4956,
7.6870)**

Conversions

Conversions Part 1

Format	Color
Hex	00943B
RGB	0, 148, 59
RGB Percent	0%, 58%, 23%
CMY	1.0000, 0.4196, 0.7686
CMYK	1.00, 0.00, 0.60, 0.42
HSL	144°, 100%, 29%
HSV	144°, 100%, 58%
XYZ	11.3793, 21.4956, 7.6870
YIQ	93.6020, -59.6390, -59.0550

Conversions

Conversions Part 2

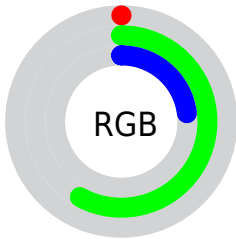
Format	Color
RYB	0, 106, 148
Decimal	37947
CIELab	53.49, -53.08, 37.15
CIELCh	53, 64.791, 145.017
Yxy	21.4956, 0.2805, 0.5299
Android (android.graphics.Color)	4278228027 (0xFF00943B)
YUV	93.6020, -17.0588, -82.0890
Hunter-Lab	46.3633, -37.3253, 22.6241

Details

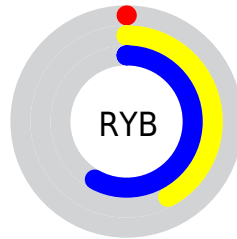
The XYZ color **11.3793, 21.4956, 7.6870** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **14.0164, 7.0174, 10.0670**, and the grayscale version is **10.5948, 11.1465, 12.1386**.

A 20% lighter version of the original color is **27.9540, 45.7944, 21.8339**, and **4.2212, 8.3811, 1.5962** is the 20% darker color. If you saturate the color by 10%, you get **11.3798, 21.4965, 7.6875**, and if you desaturate by 10%, it is **11.8245, 21.6967, 9.0180**.

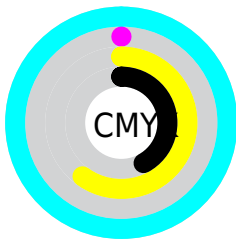
Distribution



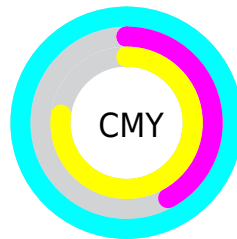
- Red (0%)
- Green (58%)
- Blue (23%)



- Red (0%)
- Yellow (42%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (42%)



- Cyan (100%)
- Magenta (42%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.3793, 21.4956, 7.6870 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 11.3793, 21.4956, 7.6870 by changing the saturation by 10% instead.

■ 11.3793, 21.4956,
7.6870

■ 11.3793, 21.4956,
7.6870

194.1066,
259.9007, 183.0979

■ 6.3917, 13.4867,
3.8104

■ 27.9862, 45.9109,
21.8785

■ 3.1276, 7.7646,
1.5219

■ 40.3363, 63.0861,
33.0304

■ 1.2216, 3.9447,
0.2342

■ 55.8713, 84.0856,
47.4447

■ 0.1233, 1.6427,
0.0000

■ 74.9564, 109.2938,
65.5396

■ 0.0000, 0.3861,
0.0000

■ 97.9572, 139.0950,
87.7339

■ 0.0000, 0.0000,
0.0000

■ 125.2389,

173.8736, 114.4460

157.1670,
214.0141, 146.0945

■ 11.3793, 21.4956,
7.6870

■ 11.3793, 21.4956,
7.6870

■ 11.3798, 21.4965,
7.6875

■ 11.8245, 21.6967,
9.0180

■ 12.4468, 21.9838,
10.5720

■ 13.3141, 22.3922,
12.3618

■ 14.4535, 22.9357,
14.3973

■ 15.8880, 23.6260,
16.6875

■ 17.6383, 24.4736,
19.2413

■ 19.7230, 25.4879,
22.0668

■ 22.1592, 26.6776,
25.1719

■ 24.9629, 28.0508,
28.5642

Harmonies

Analogous

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



15.3212, 21.4956, 3.1037



11.3793, 21.4956, 7.6870



9.8643, 21.4956, 20.2595

Triad

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



11.3793, 21.4956, 7.6870



19.3009, 21.4956, 85.2737



34.9548, 21.4956, 10.7395

Complementary

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



11.3793, 21.4956, 7.6870



14.0164, 7.0174, 10.0670

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.



36.6905, 21.4956, 26.8604



11.3793, 21.4956, 7.6870



26.5665, 21.4956, 77.4317

Square

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



11.3793, 21.4956, 7.6870



13.7331, 21.4956, 70.3376



33.3332, 21.4956, 52.6231



29.0143, 21.4956, 4.0427

Rectangle

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



11.3793, 21.4956, 7.6870



10.1142, 21.4956, 34.6871



33.3332, 21.4956, 52.6231



36.0987, 21.4956, 14.8804

Sweetspot

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



11.3798, 21.4965, 7.6875



34.5613, 44.8545, 38.6218



14.9312, 23.4185, 3.7333



7.5549, 10.0763, 8.3702



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



11.3798, 21.4965, 7.6875



19.9984, 37.8959, 13.1426



14.6692, 22.8122, 25.0090



5.8197, 6.5045, 6.6612



9.7326, 18.3658, 6.6333



0.1330, 0.2303, 0.1542

Inverse Universe

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



14.0164, 7.0174, 10.0670



24.6437, 12.3468, 17.3059



12.3165, 6.3375, 1.1154



5.9384, 5.8704, 6.7817



11.9855, 5.9992, 8.6704



0.1613, 0.0793, 0.1829

Previews

White Background



This preview shows how the XYZ color 11.3793, 21.4956, 7.6870 looks on a white background.

Color Contrast Check

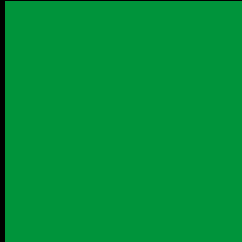
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.3793, 21.4956, 7.6870 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 11.3793, 21.4956, 7.6870

Background



This preview shows how black text looks on a background with the XYZ color 11.3793, 21.4956, 7.6870.



This preview shows how white text looks on a background with the XYZ color 11.3793, 21.4956,

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

11.3793, 21.4956, 7.6870

Protanopia

19.3873, 21.1866, 6.4358

Deuteranopia

21.5608, 21.1479, 8.2558



Tritanopia

16.5413, 21.5971, 32.1510

Trichromacy



Original Color

11.3793, 21.4956, 7.6870



Protanomaly

13.5700, 19.7774, 6.7166



Deuteranomaly

14.1873, 19.2554, 7.8194



Tritanomaly

13.6832, 21.0424, 20.1700

Monochromacy



Original Color

11.3793, 21.4956, 7.6870



Achromatopsia

10.6392, 11.1932, 12.1894



Achromatomaly

9.3660, 13.5894, 9.9140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.3793, 21.4956, 7.6870 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, 148, 59)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 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, 148, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 59) }
```

Border

The CSS property to change the border of an element to XYZ 11.3793, 21.4956, 7.6870 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, 148, 59) }
```


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

```
.border{ border-color:rgb(0, 148, 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, 148, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 59);  
box-shadow:4px 4px 4px 4px rgb(0, 148, 59)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.3793, 21.4956, 7.6870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 59) }
```

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

```
.background{ background-color: rgb(0, 148,  
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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