

Converting Colors

XYZ(5.5619, 19.3866, 7.2616)

Have a look what the booklet for
XYZ(5.5619, 19.3866, 7.2616)
contains.

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Color

**XYZ(11.9668, 22.7519,
7.6317)**

Conversions

Conversions Part 1

Format	Color
Hex	009839
RGB	0, 152, 57
RGB Percent	0%, 60%, 22%
CMY	1.0000, 0.4039, 0.7765
CMYK	1.00, 0.00, 0.62, 0.40
HSL	142°, 100%, 30%
HSV	142°, 100%, 60%
XYZ	11.9668, 22.7519, 7.6317
YIQ	95.7220, -60.0970, -61.7690

Conversions

Conversions Part 2

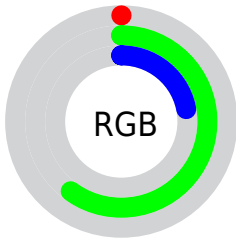
Format	Color
RYB	0, 111, 152
Decimal	38969
CIELab	54.82, -54.64, 39.63
CIELCh	55, 67.501, 144.043
Yxy	22.7519, 0.2826, 0.5372
Android (android.graphics.Color)	4278229049 (0xFF009839)
YUV	95.7220, -19.0899, -83.9482
Hunter-Lab	47.6990, -38.6908, 23.9030

Details

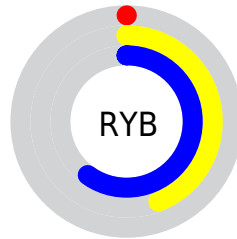
The XYZ color **11.9668, 22.7519, 7.6317** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **15.0154, 7.5022, 11.4850**, and the grayscale version is **11.1069, 11.6854, 12.7254**.

A 20% lighter version of the original color is **29.1402, 48.1995, 21.6775**, and **4.4728, 8.9281, 1.5450** is the 20% darker color. If you saturate the color by 10%, you get **11.9671, 22.7527, 7.6316**, and if you desaturate by 10%, it is **12.4273, 22.9600, 9.0091**.

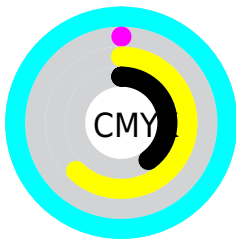
Distribution



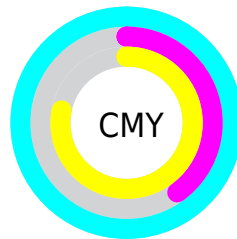
- Red (0%)
- Green (60%)
- Blue (22%)



- Red (0%)
- Yellow (44%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (62%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9668, 22.7519, 7.6317 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 11.9668, 22.7519, 7.6317 by changing the saturation by 10% instead.

■ 11.9668, 22.7519,
7.6317

■ 11.9668, 22.7519,
7.6317

197.9598,
266.4481, 182.6394

■ 6.7931, 14.4104,
3.7758

■ 29.0520, 47.9856,
21.7673

■ 3.3782, 8.4067,
1.5032

■ 41.6942, 65.6467,
32.8842

■ 1.3568, 4.3563,
0.2203

■ 57.5567, 87.1830,
47.2584

■ 0.2251, 1.8748,
0.0000

■ 77.0047, 112.9790,
65.3085

■ 0.0000, 0.5331,
0.0000

■ 100.4037,
143.4192, 87.4532

■ 0.0000, 0.0000,
0.0000

■ 128.1190,

178.8878, 114.1109

160.5159,
219.7693, 145.7001

■ 11.9668, 22.7519,
7.6317

■ 11.9668, 22.7519,
7.6317

■ 11.9671, 22.7527,
7.6316

■ 12.4273, 22.9600,
9.0091

■ 13.0807, 23.2614,
10.6386

■ 13.9976, 23.6931,
12.5351

■ 15.2071, 24.2697,
14.7106

■ 16.7343, 25.0040,
17.1758

■ 18.6013, 25.9072,
19.9414

■ 20.8282, 26.9894,
23.0171

■ 23.4336, 28.2601,
26.4123

■ 26.4347, 29.7279,
30.1360

Harmonies

Analogous

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



16.2907, 22.7519, 3.0067



11.9668, 22.7519, 7.6317



10.2643, 22.7519, 20.7490

Triad

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



11.9668, 22.7519, 7.6317



20.1701, 22.7519, 92.2276



37.5509, 22.7519, 11.5204

Complementary

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



11.9668, 22.7519, 7.6317



15.0154, 7.5022, 11.4850

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.



39.2626, 22.7519, 29.2862



11.9668, 22.7519, 7.6317



28.0126, 22.7519, 84.4283

Square

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



11.9668, 22.7519, 7.6317



14.2476, 22.7519, 75.1353



35.4407, 22.7519, 57.5774



31.1901, 22.7519, 4.1778

Rectangle

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



11.9668, 22.7519, 7.6317



10.4795, 22.7519, 36.1403



35.4407, 22.7519, 57.5774



38.7420, 22.7519, 16.0806

Sweetspot

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



11.9674, 22.7528, 7.6322



36.5130, 47.5157, 40.2910



16.0812, 24.9589, 3.9702



7.9383, 10.6243, 8.6670



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.



11.9674, 22.7528, 7.6322



21.0425, 40.1273, 13.0492



15.3756, 24.1161, 25.5799



6.2232, 6.9620, 7.0987



10.0479, 19.0826, 6.4728



0.1669, 0.2920, 0.1848

Inverse Universe

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



15.0154, 7.5022, 11.4850



26.4139, 13.2059, 19.8049



13.0782, 6.7273, 1.2839



6.3629, 6.2843, 7.2913



12.6048, 6.2961, 9.7096



0.2060, 0.1011, 0.2375

Previews

White Background



This preview shows how the XYZ color 11.9668, 22.7519, 7.6317 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 11.9668, 22.7519, 7.6317 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 11.9668, 22.7519, 7.6317

Background



This preview shows how black text looks on a background with the XYZ color 11.9668, 22.7519, 7.6317.



This preview shows how white text looks on a background with the XYZ color 11.9668, 22.7519,

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

11.9668, 22.7519, 7.6317

Protanopia

20.3909, 22.4914, 6.3985

Deuteranopia

22.8597, 22.3740, 8.1148



Tritanopia

17.4302, 22.6712, 34.0292

Trichromacy



Original Color

11.9668, 22.7519, 7.6317



Protanomaly

14.2889, 20.9976, 6.6680



Deuteranomaly

14.8741, 20.2228, 7.6769



Tritanomaly

14.4454, 22.3210, 20.9998

Monochromacy



Original Color

11.9668, 22.7519, 7.6317



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

9.6928, 14.0921, 10.1918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9668, 22.7519, 7.6317 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, 57)` looks like.

```
.text, #text, p{  
    color:rgb(0, 152, 57)  
}
```

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, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 152, 57) }
```

Border

The CSS property to change the border of an element to XYZ 11.9668, 22.7519, 7.6317 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, 57) }
```


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

```
.border{ border-color:rgb(0, 152, 57) }
```

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, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 152, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 152, 57);  
box-shadow:4px 4px 4px 4px rgb(0, 152, 57)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.9668, 22.7519, 7.6317 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, 57) }
```

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

```
.background{ background-color: rgb(0, 152,  
57) }
```

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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