

Converting Colors

XYZ(10.7389, 21.9503, 7.1949)

Have a look what the booklet for
XYZ(10.7389, 21.9503, 7.1949)
contains.

XYZ(11.7325, 22.3996, 7.1952)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.7325, 22.3996,
7.1952)**

Conversions

Conversions Part 1

Format	Color
Hex	009736
RGB	0, 151, 54
RGB Percent	0%, 59%, 21%
CMY	1.0000, 0.4078, 0.7882
CMYK	1.00, 0.00, 0.64, 0.41
HSL	141°, 100%, 30%
HSV	141°, 100%, 59%
XYZ	11.7325, 22.3996, 7.1952
YIQ	94.7930, -58.8590, -62.1790

Conversions

Conversions Part 2

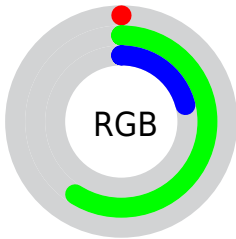
Format	Color
RYB	0, 111, 151
Decimal	38710
CIELab	54.45, -54.70, 40.60
CIELCh	54, 68.125, 143.414
Yxy	22.3996, 0.2839, 0.5420
Android (android.graphics.Color)	4278228790 (0xFF009736)
YUV	94.7930, -20.1109, -83.1335
Hunter-Lab	47.3282, -38.5748, 24.1160

Details

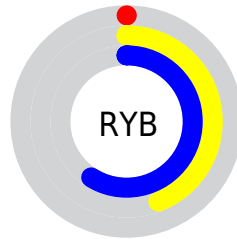
The XYZ color **11.7325, 22.3996, 7.1952** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **14.9210, 7.4428, 11.9606**, and the grayscale version is **10.8851, 11.4520, 12.4712**.

A 20% lighter version of the original color is **28.5516, 47.1888, 20.9681**, and **4.3677, 8.7354, 1.4559** is the 20% darker color. If you saturate the color by 10%, you get **11.7329, 22.4005, 7.1953**, and if you desaturate by 10%, it is **12.1828, 22.6034, 8.5271**.

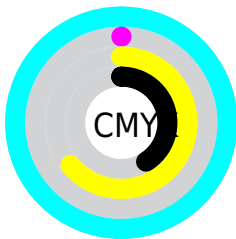
Distribution



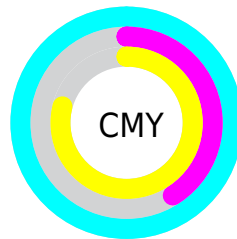
- Red (0%)
- Green (59%)
- Blue (21%)



- Red (0%)
- Yellow (44%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (41%)



- Cyan (100%)
- Magenta (41%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7325, 22.3996, 7.1952 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 11.7325, 22.3996, 7.1952 by changing the saturation by 10% instead.

■ 11.7325, 22.3996,
7.1952

■ 11.7325, 22.3996,
7.1952

196.4325,
264.6260, 178.9680

■ 6.6327, 14.1508,
3.5042

■ 28.6281, 47.4056,
20.8844

■ 3.2777, 8.2256,
1.3575

■ 41.1545, 64.9315,
31.7196

■ 1.3023, 4.2397,
0.1082

■ 56.8873, 86.3187,
45.7733

■ 0.1849, 1.8085,
0.0000

■ 76.1917, 111.9514,
63.4640

■ 0.0000, 0.4925,
0.0000

■ 99.4330, 142.2141,
85.2103

■ 0.0000, 0.0000,
0.0000

■ 126.9767,

177.4912, 111.4307

159.1881,
218.1670, 142.5437

■ 11.7325, 22.3996,
7.1952

■ 11.7325, 22.3996,
7.1952

■ 11.7329, 22.4005,
7.1953

■ 12.1828, 22.6034,
8.5271

■ 12.8245, 22.8996,
10.1178

■ 13.7281, 23.3251,
11.9833

■ 14.9223, 23.8943,
14.1361

■ 16.4318, 24.6198,
16.5880

■ 18.2788, 25.5127,
19.3501

■ 20.4831, 26.5831,
22.4330

■ 23.0631, 27.8403,
25.8466

■ 26.0359, 29.2928,
29.6005

Harmonies

Analogous

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



16.0886, 22.3996, 2.7878



11.7325, 22.3996, 7.1952



9.9922, 22.3996, 19.9788

Triad

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



11.7325, 22.3996, 7.1952



19.6886, 22.3996, 92.0896



37.3325, 22.3996, 11.4465

Complementary

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



11.7325, 22.3996, 7.1952



14.9210, 7.4428, 11.9606

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.



38.9331, 22.3996, 29.4054



11.7325, 22.3996, 7.1952



27.5069, 22.3996, 84.7562

Square

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



11.7325, 22.3996, 7.1952



13.8406, 22.3996, 74.4096



34.9932, 22.3996, 57.9372



31.0238, 22.3996, 4.0498

Rectangle

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



11.7325, 22.3996, 7.1952



10.1723, 22.3996, 35.2021



34.9932, 22.3996, 57.9372



38.4916, 22.3996, 16.0541

Sweetspot

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



11.7330, 22.4005, 7.1957



36.4241, 47.4802, 39.8232



16.1207, 24.7393, 3.9257



7.9164, 10.6155, 8.5517



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.



11.7330, 22.4005, 7.1957



20.9313, 40.0829, 12.4638



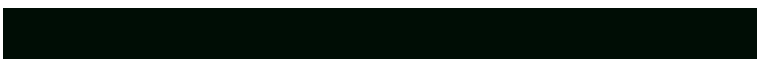
14.9867, 23.7020, 24.3292



6.2189, 6.9603, 7.0760



9.9937, 19.0609, 6.1875



0.1657, 0.2915, 0.1785

Inverse Universe

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



14.9210, 7.4428, 11.9606



26.6306, 13.2926, 20.9461



12.9143, 6.6402, 1.3936



6.3674, 6.2861, 7.3148



12.7069, 6.3370, 10.2476



0.2072, 0.1016, 0.2439

Previews

White Background



This preview shows how the XYZ color 11.7325, 22.3996, 7.1952 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 11.7325, 22.3996, 7.1952 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 11.7325, 22.3996, 7.1952

Background



This preview shows how black text looks on a background with the XYZ color 11.7325, 22.3996, 7.1952.



This preview shows how white text looks on a background with the XYZ color 11.7325, 22.3996,

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

11.7325, 22.3996, 7.1952

Protanopia

20.1932, 22.1984, 6.0167

Deuteranopia

22.4774, 21.9984, 7.7641



Tritanopia

17.1991, 22.3418, 33.5429

Trichromacy



Original Color

11.7325, 22.3996, 7.1952



Protanomaly

14.0778, 20.6826, 6.2678



Deuteranomaly

14.6826, 19.9261, 7.3472



Tritanomaly

14.1730, 21.9665, 20.3226

Monochromacy



Original Color

11.7325, 22.3996, 7.1952



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

9.4422, 13.8013, 9.7557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7325, 22.3996, 7.1952 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, 151, 54)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 54)  
}
```

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, 151, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 54) }
```

Border

The CSS property to change the border of an element to XYZ 11.7325, 22.3996, 7.1952 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, 151, 54) }
```


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

```
.border{ border-color:rgb(0, 151, 54) }
```

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

Here you see how a box with a 4 pixel rgb(0, 151, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 54);  
box-shadow:4px 4px 4px 4px rgb(0, 151, 54)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.7325, 22.3996, 7.1952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 54) }
```

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

```
.background{ background-color: rgb(0, 151,  
54) }
```

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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