

Converting Colors

XYZ(11.7901, 22.2813, 7.9342)

Have a look what the booklet for
XYZ(11.7901, 22.2813, 7.9342)
contains.

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Color

**XYZ(11.7220, 22.1389,
7.9304)**

Conversions

Conversions Part 1

Format	Color
Hex	00963C
RGB	0, 150, 60
RGB Percent	0%, 59%, 24%
CMY	1.0000, 0.4118, 0.7647
CMYK	1.00, 0.00, 0.60, 0.41
HSL	144°, 100%, 29%
HSV	144°, 100%, 59%
XYZ	11.7220, 22.1389, 7.9304
YIQ	94.8900, -60.5100, -59.7900

Conversions

Conversions Part 2

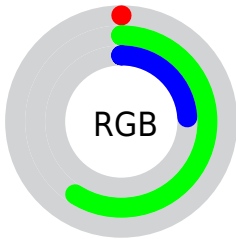
Format	Color
RYB	0, 107, 150
Decimal	38460
CIELab	54.17, -53.59, 37.47
CIELCh	54, 65.391, 145.043
Yxy	22.1389, 0.2805, 0.5297
Android (android.graphics.Color)	4278228540 (0xFF00963C)
YUV	94.8900, -17.2008, -83.2185
Hunter-Lab	47.0520, -37.8715, 22.9433

Details

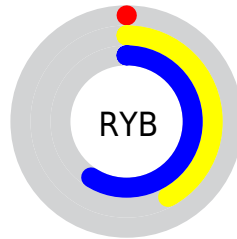
The XYZ color **11.7220, 22.1389, 7.9304** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **14.4241, 7.2228, 10.3089**, and the grayscale version is **10.9022, 11.4699, 12.4907**.

A 20% lighter version of the original color is **28.4835, 46.7669, 22.2775**, and **4.3185, 8.5669, 1.6557** is the 20% darker color. If you saturate the color by 10%, you get **11.7223, 22.1397, 7.9301**, and if you desaturate by 10%, it is **12.1782, 22.3448, 9.3019**.

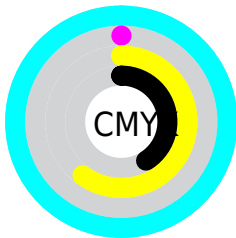
Distribution



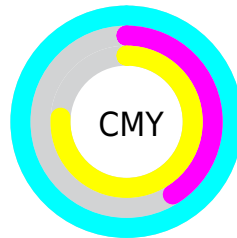
- Red (0%)
- Green (59%)
- Blue (24%)



- Red (0%)
- Yellow (42%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (41%)



- Cyan (100%)
- Magenta (41%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7220, 22.1389, 7.9304 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 11.7220, 22.1389, 7.9304 by changing the saturation by 10% instead.

■ 11.7220, 22.1389,
7.9304

■ 11.7220, 22.1389,
7.9304

196.3638,
263.2708, 185.0993

■ 6.6255, 13.9590,
3.9633

■ 28.6090, 46.9755,
22.3658

■ 3.2733, 8.0922,
1.6052

■ 41.1303, 64.4009,
33.6712

■ 1.2999, 4.1540,
0.2946

■ 56.8572, 85.6770,
48.2598

■ 0.1831, 1.7601,
0.0000

■ 76.1551, 111.1881,
66.5501

■ 0.0000, 0.4621,
0.0000

■ 99.3894, 141.3187,
88.9606

■ 0.0000, 0.0000,
0.0000

■ 126.9253,

176.4530, 115.9100

159.1284,
216.9756, 147.8167

■ 11.7220, 22.1389,
7.9304

■ 11.7220, 22.1389,
7.9304

■ 11.7223, 22.1397,
7.9301

■ 12.1782, 22.3448,
9.3019

■ 12.8177, 22.6398,
10.9028

■ 13.7099, 23.0598,
12.7462

■ 14.8824, 23.6191,
14.8421

■ 16.3593, 24.3298,
17.2000

■ 18.1619, 25.2027,
19.8288

■ 20.3094, 26.2477,
22.7370

■ 22.8194, 27.4735,
25.9326

■ 25.7086, 28.8887,
29.4234

Harmonies

Analogous

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



15.7779, 22.1389, 3.2040



11.7220, 22.1389, 7.9304



10.1642, 22.1389, 20.8838

Triad

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



11.7220, 22.1389, 7.9304



19.8851, 22.1389, 87.7738



35.9865, 22.1389, 11.0572

Complementary

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



11.7220, 22.1389, 7.9304



14.4241, 7.2228, 10.3089

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.



37.7772, 22.1389, 27.6426



11.7220, 22.1389, 7.9304



27.3641, 22.1389, 79.6850

Square

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



11.7220, 22.1389, 7.9304



14.1516, 22.1389, 72.4236



34.3264, 22.1389, 54.1498



29.8702, 22.1389, 4.1665

Rectangle

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



11.7220, 22.1389, 7.9304



10.4229, 22.1389, 35.7396



34.3264, 22.1389, 54.1498



37.1651, 22.1389, 15.3175

Sweetspot

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



11.7225, 22.1398, 7.9309



35.5961, 46.2007, 39.8034



15.3711, 24.1149, 3.8448



7.5565, 10.0769, 8.3785



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.



11.7225, 22.1398, 7.9309



20.6051, 39.0377, 13.5659



15.1062, 23.4933, 25.7493



5.8200, 6.5046, 6.6628



9.7369, 18.3676, 6.6561



0.1331, 0.2304, 0.1546

Inverse Universe

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



14.4241, 7.2228, 10.3089



25.3659, 12.7105, 17.7266



12.6834, 6.5266, 1.1427



5.9381, 5.8703, 6.7800



11.9785, 5.9965, 8.6338



0.1612, 0.0792, 0.1825

Previews

White Background



This preview shows how the XYZ color 11.7220, 22.1389, 7.9304 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



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 11.7220, 22.1389, 7.9304

Background



This preview shows how black text looks on a background with the XYZ color 11.7220, 22.1389, 7.9304.



This preview shows how white text looks on a background with the XYZ color 11.7220, 22.1389,

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

11.7220, 22.1389, 7.9304

Protanopia

19.8438, 21.8065, 6.6532

Deuteranopia

22.2269, 21.8524, 8.5153



Tritanopia

17.0559, 22.2774, 33.1068

Trichromacy



Original Color

11.7220, 22.1389, 7.9304



Protanomaly

13.9739, 20.4010, 6.9427



Deuteranomaly

14.7085, 19.9234, 8.0714



Tritanomaly

14.1024, 21.6905, 20.8962

Monochromacy



Original Color

11.7220, 22.1389, 7.9304



Achromatopsia

10.8771, 11.4435, 12.4620



Achromatomaly

9.5172, 13.8313, 10.1507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7220, 22.1389, 7.9304 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, 150, 60)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 60)  
}
```

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, 150, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 60) }
```

Border

The CSS property to change the border of an element to XYZ 11.7220, 22.1389, 7.9304 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, 150, 60) }
```


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

```
.border{ border-color:rgb(0, 150, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 150, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 60);  
box-shadow:4px 4px 4px 4px rgb(0, 150, 60)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.7220, 22.1389, 7.9304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 150, 60) }
```

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

```
.background{ background-color: rgb(0, 150,  
60) }
```

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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