

Converting Colors

XYZ(10.6481, 21.4551, 9.1251)

Have a look what the booklet for
XYZ(10.6481, 21.4551, 9.1251)
contains.

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Color

**XYZ(11.9497, 22.2300,
9.1299)**

Conversions

Conversions Part 1

Format	Color
Hex	009644
RGB	0, 150, 68
RGB Percent	0%, 59%, 27%
CMY	1.0000, 0.4118, 0.7333
CMYK	1.00, 0.00, 0.55, 0.41
HSL	147°, 100%, 29%
HSV	147°, 100%, 59%
XYZ	11.9497, 22.2300, 9.1299
YIQ	95.8020, -63.0780, -57.3020

Conversions

Conversions Part 2

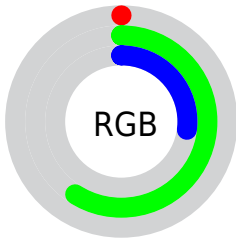
Format	Color
RYB	0, 103, 150
Decimal	38468
CIELab	54.27, -52.41, 33.62
CIELCh	54, 62.262, 147.321
Yxy	22.2300, 0.2759, 0.5133
Android (android.graphics.Color)	4278228548 (0xFF009644)
YUV	95.8020, -13.7064, -84.0184
Hunter-Lab	47.1487, -37.2699, 21.5231

Details

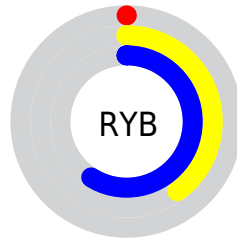
The XYZ color **11.9497, 22.2300, 9.1299** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **14.1012, 7.0936, 8.6091**, and the grayscale version is **11.1138, 11.6926, 12.7332**.

A 20% lighter version of the original color is **28.9391, 46.9491, 24.6764**, and **4.4939, 8.7859, 2.1208** is the 20% darker color. If you saturate the color by 10%, you get **11.9502, 22.2309, 9.1302**, and if you desaturate by 10%, it is **12.4154, 22.4397, 10.5514**.

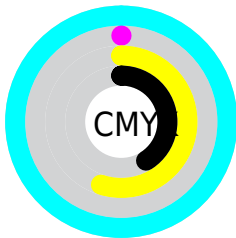
Distribution



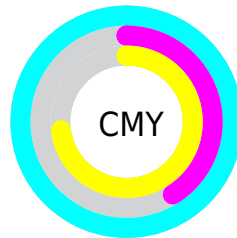
- Red (0%)
- Green (59%)
- Blue (27%)



- Red (0%)
- Yellow (40%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (41%)





- Cyan (100%)
- Magenta (41%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.9497, 22.2300, 9.1299 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 11.9497, 22.2300, 9.1299 by changing the saturation by 10% instead.


 11.9497, 22.2300,
9.1299


 11.9497, 22.2300,
9.1299


197.8487,
263.7450, 194.5976


 6.7814, 14.0260,
4.7280


 29.0211, 47.1258,
24.7272


 3.3709, 8.1387,
2.0327


 41.6549, 64.5865,
36.7598


 1.3528, 4.1839,
0.5753

 57.5080, 85.9014,
52.1730

 0.2222, 1.7769,
0.0000

 76.9456, 111.4551,
71.3854

 0.0000, 0.4727,
0.0000

 100.3331,
141.6319, 94.8155

 0.0000, 0.0000,
0.0000

 128.0359,

176.8163, 122.8819

160.4193,
217.3925, 156.0031

■ 11.9497, 22.2300,
9.1299

■ 11.9497, 22.2300,
9.1299

■ 11.9502, 22.2309,
9.1302

■ 12.4154, 22.4397,
10.5514

■ 13.0583, 22.7360,
12.1707

■ 13.9473, 23.1548,
13.9982

■ 15.1098, 23.7100,
16.0415

■ 16.5692, 24.4137,
18.3079

■ 18.3464, 25.2765,
20.8043

■ 20.4604, 26.3080,
23.5370

■ 22.9286, 27.5171,
26.5124

■ 25.7669, 28.9119,
29.7365

Harmonies

Analogous

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



15.6950, 22.2300, 3.8843



11.9497, 22.2300, 9.1299



10.6030, 22.2300, 22.5023

Triad

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



11.9497, 22.2300, 9.1299



20.5258, 22.2300, 83.8902



34.9482, 22.2300, 10.7994

Complementary

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



11.9497, 22.2300, 9.1299



14.1012, 7.0936, 8.6091

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.



37.0001, 22.2300, 25.9909



11.9497, 22.2300, 9.1299



27.6914, 22.2300, 74.7996

Square

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



11.9497, 22.2300, 9.1299



14.8457, 22.2300, 71.1602



34.1034, 22.2300, 50.4606



28.9739, 22.2300, 4.4224

Rectangle

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



11.9497, 22.2300, 9.1299



10.9713, 22.2300, 37.1016



34.1034, 22.2300, 50.4606



36.1686, 22.2300, 14.7076

Sweetspot

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



11.9502, 22.2309, 9.1304



35.8686, 46.3097, 41.2385



14.4303, 23.6300, 3.8006



7.6221, 10.1032, 8.7242



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.



11.9502, 22.2309, 9.1304



21.0028, 39.1968, 15.6601



15.8271, 23.7816, 29.5456



5.8324, 6.5095, 6.7281



9.9267, 18.4435, 7.6554



0.1360, 0.2316, 0.1703

Inverse Universe

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



14.1012, 7.0936, 8.6091



24.7954, 12.4823, 14.7228



12.6193, 6.5008, 0.8051



5.9254, 5.8652, 6.7135



11.7111, 5.8895, 7.2258



0.1582, 0.0780, 0.1668

Previews

White Background



This preview shows how the XYZ color 11.9497, 22.2300, 9.1299 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 11.9497, 22.2300, 9.1299 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 11.9497, 22.2300, 9.1299

Background



This preview shows how black text looks on a background with the XYZ color 11.9497, 22.2300, 9.1299.



This preview shows how white text looks on a background with the XYZ color 11.9497, 22.2300,

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

11.9497, 22.2300, 9.1299

Protanopia

20.0203, 21.8771, 7.5824

Deuteranopia

22.2576, 21.8420, 9.6994



Tritanopia

16.9960, 22.2466, 33.1040

Trichromacy



Original Color

11.9497, 22.2300, 9.1299



Protanomaly

14.1855, 20.4856, 8.0570



Deuteranomaly

14.8128, 19.9523, 9.2013



Tritanomaly

14.2238, 21.7391, 21.5355

Monochromacy



Original Color

11.9497, 22.2300, 9.1299



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

9.8496, 14.1548, 11.0171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9497, 22.2300, 9.1299 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, 68)` looks like.

```
.text, #text, p{  
    color:rgb(0, 150, 68)  
}
```

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, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 150, 68) }
```

Border

The CSS property to change the border of an element to XYZ 11.9497, 22.2300, 9.1299 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, 68) }
```


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

```
.border{ border-color:rgb(0, 150, 68) }
```

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, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 150, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 150, 68);  
box-shadow:4px 4px 4px 4px rgb(0, 150, 68)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.9497, 22.2300, 9.1299 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, 68) }
```

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

```
.background{ background-color: rgb(0, 150,  
68) }
```

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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