

Converting Colors

XYZ(12.0304, 22.3679, 4.7820)

Have a look what the booklet for
XYZ(12.0304, 22.3679, 4.7820)
contains.

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Color

**XYZ(12.0304, 22.3679,
4.7820)**

Conversions

Conversions Part 1

Format	Color
Hex	29961C
RGB	41, 150, 28
RGB Percent	16%, 59%, 11%
CMY	0.8392, 0.4118, 0.8902
CMYK	0.73, 0.00, 0.81, 0.41
HSL	114°, 69%, 35%
HSV	114°, 81%, 59%
XYZ	12.0304, 22.3679, 4.7820
YIQ	103.5010, -25.8020, -61.0500

Conversions

Conversions Part 2

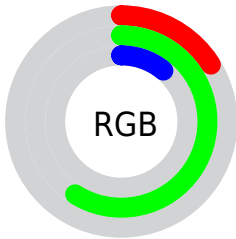
Format	Color
R_{YB}	28, 150, 137
Decimal	2725404
CIE _{Lab}	54.42, -52.47, 50.84
CIE _{LCh}	54, 73.061, 135.902
Yxy	22.3679, 0.3071, 0.5709
Android (android.graphics.Color)	4280915484 (0xFF29961C)
YUV	103.5010, -37.2220, -54.8134
Hunter-Lab	47.2947, -37.3605, 27.1114

Details

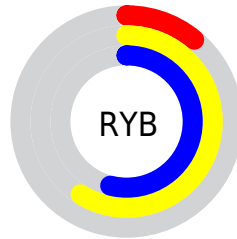
The XYZ color **12.0304, 22.3679, 4.7820** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **16.2384, 8.3519, 29.6115**, and the grayscale version is **13.1265, 13.8101, 15.0392**.

A 20% lighter version of the original color is **29.1016, 47.2302, 15.7661**, and **4.3677, 8.7354, 1.4559** is the 20% darker color. If you saturate the color by 10%, you get **11.4474, 22.0839, 4.0402**, and if you desaturate by 10%, it is **12.8860, 22.7835, 6.0046**.

Distribution



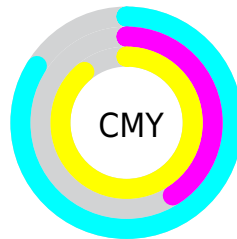
- Red (16%)
- Green (59%)
- Blue (11%)



- Red (11%)
- Yellow (59%)
- Blue (54%)



- Cyan (73%)
- Magenta (0%)
- Yellow (81%)
- Black (41%)



- Cyan (84%)
- Magenta (41%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0304, 22.3679, 4.7820 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 12.0304, 22.3679, 4.7820 by changing the saturation by 10% instead.

■ 12.0304, 22.3679,
4.7820

■ 12.0304, 22.3679,
4.7820

198.3722,
264.4616, 156.5568

■ 6.8367, 14.1275,
2.0634

■ 29.1668, 47.3533,
15.7765

■ 3.4056, 8.2094,
0.5939

■ 41.8403, 64.8671,
24.8896

■ 1.3717, 4.2292,
0.0000

■ 57.7378, 86.2408,
36.9712

■ 0.2359, 1.8026,
0.0000

■ 77.2246, 111.8587,
52.4399

■ 0.0000, 0.4888,
0.0000

■ 100.6661,
142.1054, 71.7143

■ 0.0000, 0.0000,
0.0000

■ 128.4276,

177.3652, 95.2129

160.8745,
218.0224, 123.3542

■ 12.0304, 22.3679,
4.7820

■ 12.0304, 22.3679,
4.7820

■ 11.4474, 22.0839,
4.0402

■ 12.8860, 22.7835,
6.0046

■ 11.1201, 21.9235,
3.6456

■ 14.0410, 23.3411,
7.7691

■ 15.5208, 24.0532,
10.1292

■ 17.3475, 24.9303,
13.1318

■ 19.5412, 25.9819,
16.8189

■ 22.1208, 27.2168,
21.2293

■ 25.1034, 28.6430,
26.3987

■ 28.5054, 30.2684,
32.3603

■ 32.3422, 32.1001,
39.1455

Harmonies

Analogous

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



17.3247, 22.3679, 1.8204



12.0304, 22.3679, 4.7820



9.5753, 22.3679, 15.1381

Triad

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



12.0304, 22.3679, 4.7820



17.7354, 22.3679, 96.7342



39.7075, 22.3679, 14.1845

Complementary

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



12.0304, 22.3679, 4.7820



16.2384, 8.3519, 29.6115

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.



39.8977, 22.3679, 36.7113



12.0304, 22.3679, 4.7820



25.7503, 22.3679, 95.8379

Square

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



12.0304, 22.3679, 4.7820



12.2659, 22.3679, 71.5452



34.3018, 22.3679, 69.5552



33.8335, 22.3679, 4.4587

Rectangle

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



12.0304, 22.3679, 4.7820



9.3532, 22.3679, 29.1621



34.3018, 22.3679, 69.5552



40.4802, 22.3679, 20.1073

Sweetspot

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



12.0309, 22.3688, 4.7825



37.5307, 47.3091, 34.8759



21.5596, 24.1117, 4.6167



7.9904, 10.3278, 7.1699



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.



12.0309, 22.3688, 4.7825



19.6478, 38.6986, 6.5453



12.6480, 22.5654, 10.3046



5.7836, 6.4963, 6.1895



9.2371, 18.1898, 3.0241



0.1243, 0.2284, 0.0375

Inverse Universe

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



16.2384, 8.3519, 29.6115



27.1170, 12.9195, 51.9857



15.4537, 8.2991, 13.6819



5.9751, 5.8782, 7.2894



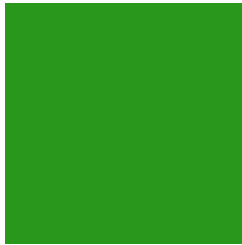
12.7388, 6.0396, 24.4254



0.1700, 0.0812, 0.2996

Previews

White Background



This preview shows how the XYZ color 12.0304, 22.3679, 4.7820 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 12.0304, 22.3679, 4.7820 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 12.0304, 22.3679, 4.7820

Background



This preview shows how black text looks on a background with the XYZ color 12.0304, 22.3679, 4.7820.



This preview shows how white text looks on a background with the XYZ color 12.0304, 22.3679,

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

12.0304, 22.3679, 4.7820

Protanopia

19.9913, 22.1381, 4.0300

Deuteranopia

22.4012, 22.0145, 5.2590



Tritanopia

17.7117, 22.4070, 32.6696

Trichromacy



Original Color

12.0304, 22.3679, 4.7820

Protanomaly

15.3055, 21.1497, 4.1953

Deuteranomaly

16.1927, 20.7602, 4.9039

Tritanomaly

14.4992, 21.9792, 17.1139

Monochromacy



Original Color

12.0304, 22.3679, 4.7820

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

11.5352, 15.9459, 9.3074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0304, 22.3679, 4.7820 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(41, 150, 28)` looks like.

```
.text, #text, p{  
    color:rgb(41, 150, 28)  
}
```

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(41, 150, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 150, 28) }
```

Border

The CSS property to change the border of an element to XYZ 12.0304, 22.3679, 4.7820 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(41, 150, 28) }
```


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

```
.border{ border-color:rgb(41, 150, 28) }
```

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

Here you see how a box with a 4 pixel rgb(41, 150, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 150, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 150, 28);  
box-shadow:4px 4px 4px 4px rgb(41, 150,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0304, 22.3679, 4.7820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 150, 28) }
```

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

```
.background{ background-color: rgb(41, 150,  
28) }
```

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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