

Converting Colors

XYZ(12.4575, 22.7999, 6.0297)

Have a look what the booklet for
XYZ(12.4575, 22.7999, 6.0297)
contains.

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Color

**XYZ(12.4575, 22.7999,
6.0297)**

Conversions

Conversions Part 1

Format	Color
Hex	2A972B
RGB	42, 151, 43
RGB Percent	16%, 59%, 17%
CMY	0.8353, 0.4078, 0.8314
CMYK	0.72, 0.00, 0.72, 0.41
HSL	121°, 56%, 38%
HSV	121°, 72%, 59%
XYZ	12.4575, 22.7999, 6.0297
YIQ	106.0970, -30.2960, -56.6960

Conversions

Conversions Part 2

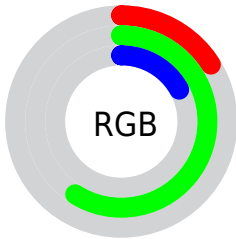
Format	Color
R_{YB}	42, 150, 151
Decimal	2791211
CIE _{Lab}	54.87, -51.47, 45.95
CIE _{LCh}	55, 69.000, 138.246
Yxy	22.7999, 0.3017, 0.5522
Android (android.graphics.Color)	4280981291 (0xFF2A972B)
YUV	106.0970, -31.1068, -56.2131
Hunter-Lab	47.7492, -36.9916, 25.9374

Details

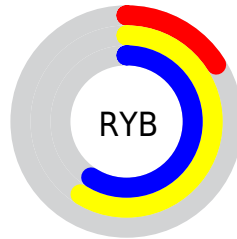
The XYZ color **12.4575, 22.7999, 6.0297** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **19.0960, 10.4375, 29.8623**, and the grayscale version is **13.8153, 14.5348, 15.8284**.

A 20% lighter version of the original color is **29.8458, 47.9119, 18.5014**, and **4.4618, 8.9237, 1.4873** is the 20% darker color. If you saturate the color by 10%, you get **11.7265, 22.4499, 4.8164**, and if you desaturate by 10%, it is **13.5230, 23.3121, 7.7852**.

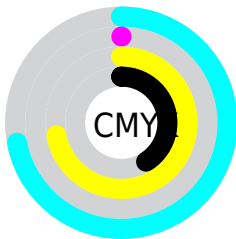
Distribution



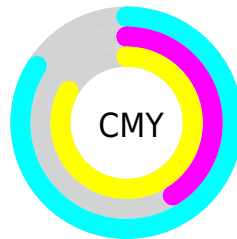
- Red (16%)
- Green (59%)
- Blue (17%)



- Red (16%)
- Yellow (59%)
- Blue (59%)



- Cyan (72%)
- Magenta (0%)
- Yellow (72%)
- Black (41%)




- Cyan (84%)
- Magenta (41%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.4575, 22.7999, 6.0297 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 12.4575, 22.7999, 6.0297 by changing the saturation by 10% instead.


 12.4575, 22.7999,
6.0297


 12.4575, 22.7999,
6.0297

201.1196,
266.6956, 168.6512


 7.1305, 14.4458,
2.7941


 29.9353, 48.0646,
18.4712


 3.5909, 8.4314,
0.9905


 42.8168, 65.7439,
28.5142


 1.4734, 4.3722,
0.0000

 58.9472, 87.3005,
41.6634

 0.3076, 1.8839,
0.0000

 78.6918, 113.1187,
58.3373

 0.0000, 0.5387,
0.0000

 102.4160,
143.5829, 78.9545

 0.0000, 0.0000,
0.0000

 130.4852,

179.0775, 103.9336

163.2646,
219.9870, 133.6929

■ 12.4575, 22.7999,
6.0297

■ 12.4575, 22.7999,
6.0297

■ 11.7265, 22.4499,
4.8164

■ 13.5230, 23.3121,
7.7852

■ 11.2891, 22.2402,
4.0813

■ 14.9547, 23.9997,
10.1347

■ 11.0747, 22.1372,
3.7291

■ 16.7825, 24.8776,
13.1254

■ 19.0328, 25.9587,
16.7996

■ 21.7295, 27.2544,
21.1958

■ 24.8951, 28.7755,
26.3497

■ 28.5502, 30.5320,
32.2947

■ 32.7144, 32.5333,
39.0621

■ 37.4062, 34.7882,
46.6815

Harmonies

Analogous

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



17.3901, 22.7999, 2.4746



12.4575, 22.7999, 6.0297



10.2382, 22.7999, 17.2053

Triad

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



12.4575, 22.7999, 6.0297



18.8145, 22.7999, 92.9635



38.8240, 22.7999, 13.8480

Complementary

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



12.4575, 22.7999, 6.0297



19.0960, 10.4375, 29.8623

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.



39.4624, 22.7999, 34.4165



12.4575, 22.7999, 6.0297



26.6015, 22.7999, 90.0224

Square

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



12.4575, 22.7999, 6.0297



13.2883, 22.7999, 71.2762



34.5762, 22.7999, 64.6870



32.9952, 22.7999, 4.8114

Rectangle

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



12.4575, 22.7999, 6.0297



10.1438, 22.7999, 31.3591



34.5762, 22.7999, 64.6870



39.6957, 22.7999, 19.2685

Sweetspot

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



12.4580, 22.8008, 6.0302



38.7801, 48.7433, 37.7404



24.2480, 28.8809, 6.4871



8.5277, 10.9411, 8.1111



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.



12.4580, 22.8008, 6.0302



20.4319, 39.9309, 7.6734



14.1564, 23.4802, 14.9738



6.1343, 6.9265, 6.6309



9.4217, 18.8321, 3.1755



0.1414, 0.2818, 0.0503

Inverse Universe

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



19.0960, 10.4375, 29.8623



33.0403, 16.4308, 52.9283



15.7255, 9.0893, 12.1134



6.4588, 6.3227, 7.7960



15.5146, 7.4601, 25.0328



0.2326, 0.1118, 0.3778

Previews

White Background



This preview shows how the XYZ color 12.4575, 22.7999, 6.0297 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 12.4575, 22.7999, 6.0297 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 12.4575, 22.7999, 6.0297

Background



This preview shows how black text looks on a background with the XYZ color 12.4575, 22.7999, 6.0297.



This preview shows how white text looks on a background with the XYZ color 12.4575, 22.7999,

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

12.4575, 22.7999, 6.0297

Protanopia

20.3202, 22.4835, 5.1025

Deuteranopia

22.7505, 22.3537, 6.4838



Tritanopia

17.9400, 22.7332, 33.1482

Trichromacy



Original Color

12.4575, 22.7999, 6.0297



Protanomaly

15.6558, 21.5183, 5.3358



Deuteranomaly

16.5507, 21.1235, 6.1107



Tritanomaly

15.0366, 22.4448, 18.8690

Monochromacy



Original Color

12.4575, 22.7999, 6.0297



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

12.0881, 16.3826, 10.7087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4575, 22.7999, 6.0297 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(42, 151, 43)` looks like.

```
.text, #text, p{  
    color:rgb(42, 151, 43)  
}
```

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(42, 151, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 151, 43) }
```

Border

The CSS property to change the border of an element to XYZ 12.4575, 22.7999, 6.0297 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(42, 151, 43) }
```


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

```
.border{ border-color:rgb(42, 151, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 151, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 151, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 151, 43);  
box-shadow:4px 4px 4px 4px rgb(42, 151,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4575, 22.7999, 6.0297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 151, 43) }
```

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

```
.background{ background-color: rgb(42, 151,  
43) }
```

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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