

Converting Colors

XYZ(24.8926, 47.6063, 10.3072)

Have a look what the booklet for
XYZ(24.8926, 47.6063, 10.3072)
contains.

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Color

**XYZ(24.9530, 47.7611,
10.2865)**

Conversions

Conversions Part 1

Format	Color
Hex	2AD42C
RGB	42, 212, 44
RGB Percent	16%, 83%, 17%
CMY	0.8353, 0.1686, 0.8274
CMYK	0.80, 0.00, 0.79, 0.17
HSL	121°, 67%, 50%
HSV	121°, 80%, 83%
XYZ	24.9530, 47.7611, 10.2865
YIQ	142.0180, -47.3920, -88.2880

Conversions

Conversions Part 2

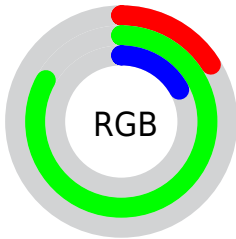
Format	Color
RYB	42, 210, 212
Decimal	2806828
CIELab	74.67, -70.68, 65.25
CIElCh	75, 96.189, 137.289
Yxy	47.7611, 0.3006, 0.5754
Android (android.graphics.Color)	4280996908 (0xFF2AD42C)
YUV	142.0180, -48.3229, -87.7158
Hunter-Lab	69.1094, -56.4913, 39.5516

Details

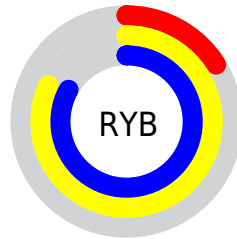
The XYZ color **24.9530, 47.7611, 10.2865** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **39.6131, 20.3067, 62.8032**, and the grayscale version is **25.9184, 27.2681, 29.6950**.

A 20% lighter version of the original color is **45.8159, 76.4212, 25.1680**, and **11.8885, 23.7769, 3.9628** is the 20% darker color. If you saturate the color by 10%, you get **24.0047, 47.3083, 8.6798**, and if you desaturate by 10%, it is **26.5602, 48.5335, 12.9626**.

Distribution



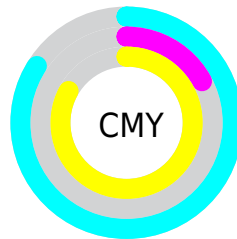
- Red (16%)
- Green (83%)
- Blue (17%)



- Red (16%)
- Yellow (82%)
- Blue (83%)



- Cyan (80%)
- Magenta (0%)
- Yellow (79%)
- Black (17%)



- Cyan (84%)
- Magenta (17%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9530, 47.7611, 10.2865 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 24.9530, 47.7611, 10.2865 by changing the saturation by 10% instead.

■ 24.9530, 47.7611,
10.2865

■ 24.9530, 47.7611,
10.2865

269.9558,
377.8444, 203.2634

■ 16.1706, 33.6377,
5.4812

■ 51.0244, 86.8486,
26.9492

■ 9.7366, 22.6154,
2.4687

■ 69.0441, 112.5815,
39.6437

■ 5.2856, 14.3098,
0.8235

■ 90.8736, 142.9531,
55.8051

■ 2.4522, 8.3365,
0.0000

■ 116.8783,
178.3477, 75.8518

■ 0.8712, 4.3110,
0.0000

■ 147.4235,
219.1497, 100.2025

■ 0.0000, 1.8490,
0.0000

■ 182.8746,

■ 0.0000, 0.5174,

265.7436, 129.2756

0.0000

223.5969,
318.5137, 163.4897

■ 0.0000, 0.0000,
0.0000

■ 24.9530, 47.7611,
10.2865

■ 24.9530, 47.7611,
10.2865

■ 24.0047, 47.3083,
8.6798

■ 26.5602, 48.5335,
12.9626


■ 23.5582, 47.0944,
7.9203


■ 28.9127, 49.6627,
16.8466


■ 32.0876, 51.1873,
22.0597


■ 36.1512, 53.1393,
28.7075

■ 41.1634, 55.5473,
36.8850

 47.1786, 58.4378,
46.6790

 54.2472, 61.8348,
58.1699

 62.4164, 65.7610,
71.4327

 71.7302, 70.2378,
86.5379

Harmonies

Analogous

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



36.1455, 47.7611, 3.6507



24.9530, 47.7611, 10.2865



19.9213, 47.7611, 33.6127

Triad

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



24.9530, 47.7611, 10.2865



38.4126, 47.7611, 213.0862



85.5076, 47.7611, 28.3750

Complementary

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



24.9530, 47.7611, 10.2865



39.6131, 20.3067, 62.8032

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.



86.5687, 47.7611, 76.1138



24.9530, 47.7611, 10.2865



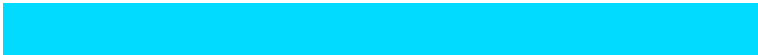
56.1026, 47.7611, 208.0455

Square

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



24.9530, 47.7611, 10.2865



26.2449, 47.7611, 159.2277



74.7452, 47.7611, 148.0681



72.1367, 47.7611, 8.5537

Rectangle

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



24.9530, 47.7611, 10.2865



19.6050, 47.7611, 65.1572



74.7452, 47.7611, 148.0681



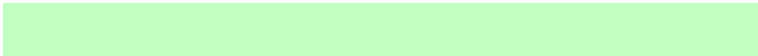
87.4182, 47.7611, 40.7514

Sweetspot

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



24.9541, 47.7631, 10.2876



67.7532, 86.8814, 64.5457



51.1149, 61.2537, 11.3197



13.8085, 18.2630, 12.6861



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.9541, 47.7631, 10.2876



35.9609, 71.6151, 12.3115



28.3303, 49.1136, 28.0663



12.2683, 13.8983, 13.2274



14.5456, 29.0736, 4.9030



0.8795, 1.7544, 0.3070

Inverse Universe

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



39.6131, 20.3067, 62.8032



58.9391, 28.5168, 94.5861



31.8115, 17.1860, 21.7202



12.9464, 12.6301, 15.6581



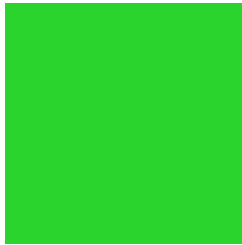
23.9078, 11.4994, 38.4141



1.4441, 0.6944, 2.3279

Previews

White Background



This preview shows how the XYZ color 24.9530, 47.7611, 10.2865 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 24.9530, 47.7611, 10.2865 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.9530, 47.7611, 10.2865

Background



This preview shows how black text looks on a background with the XYZ color 24.9530, 47.7611, 10.2865.



This preview shows how white text looks on a background with the XYZ color 24.9530, 47.7611,

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

24.9530, 47.7611, 10.2865

Protanopia

42.2232, 46.5624, 8.4311

Deuteranopia

47.8080, 46.7289, 11.0573



Tritanopia

36.6958, 47.1695, 70.1213

Trichromacy



Original Color

24.9530, 47.7611, 10.2865



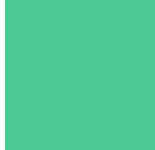
Protanomaly

31.2902, 44.3974, 8.8398



Deuteranomaly

32.9571, 43.2901, 10.2332



Tritanomaly

29.7685, 46.0446, 37.0243

Monochromacy



Original Color

24.9530, 47.7611, 10.2865



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

22.3641, 31.7422, 18.5838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9530, 47.7611, 10.2865 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, 212, 44)` looks like.

```
.text, #text, p{  
    color:rgb(42, 212, 44)  
}
```

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, 212, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 212, 44) }
```

Border

The CSS property to change the border of an element to XYZ 24.9530, 47.7611, 10.2865 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, 212, 44) }
```


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

```
.border{ border-color:rgb(42, 212, 44) }
```

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

Here you see how a box with a 4 pixel rgb(42, 212, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 212, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 212, 44);  
box-shadow:4px 4px 4px 4px rgb(42, 212,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 24.9530, 47.7611, 10.2865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 212, 44) }
```

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

```
.background{ background-color: rgb(42, 212,  
44) }
```

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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