

Converting Colors

XYZ(24.6051, 47.8443, 11.8892)

Have a look what the booklet for
XYZ(24.6051, 47.8443, 11.8892)
contains.

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Color

**XYZ(24.6706, 47.9521,
11.9584)**

Conversions

Conversions Part 1

Format	Color
Hex	09D53A
RGB	9, 213, 58
RGB Percent	4%, 84%, 23%
CMY	0.9647, 0.1647, 0.7725
CMYK	0.96, 0.00, 0.73, 0.16
HSL	134°, 92%, 44%
HSV	134°, 96%, 84%
XYZ	24.6706, 47.9521, 11.9584
YIQ	134.3340, -71.8290, -91.4530

Conversions

Conversions Part 2

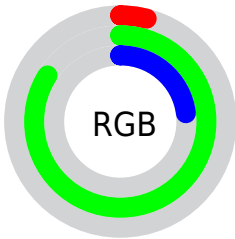
Format	Color
RYB	9, 173, 213
Decimal	644410
CIELab	74.79, -72.41, 60.76
CIELCh	75, 94.528, 139.998
Yxy	47.9521, 0.2917, 0.5669
Android (android.graphics.Color)	4278834490 (0xFF09D53A)
YUV	134.3340, -37.6327, -109.9179
Hunter-Lab	69.2475, -57.5893, 38.2344

Details

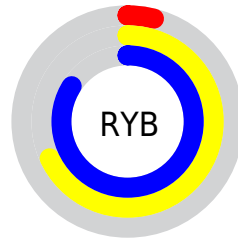
The XYZ color **24.6706, 47.9521, 11.9584** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **34.2399, 17.0223, 36.6012**, and the grayscale version is **22.9371, 24.1316, 26.2793**.

A 20% lighter version of the original color is **44.9816, 75.9231, 28.2034**, and **12.0570, 24.1139, 4.0190** is the 20% darker color. If you saturate the color by 10%, you get **24.3965, 47.8310, 11.0980**, and if you desaturate by 10%, it is **25.5818, 48.3680, 14.4997**.

Distribution



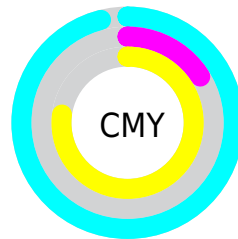
- Red (4%)
- Green (84%)
- Blue (23%)



- Red (4%)
- Yellow (68%)
- Blue (84%)



- Cyan (96%)
- Magenta (0%)
- Yellow (73%)
- Black (16%)



- Cyan (96%)
- Magenta (16%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6706, 47.9521, 11.9584 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 24.6706, 47.9521, 11.9584 by changing the saturation by 10% instead.

■ 24.6706, 47.9521,
11.9584

■ 24.6706, 47.9521,
11.9584

268.5715,
378.6022, 215.0978

■ 15.9592, 33.7890,
6.5932

■ 50.5691, 87.1331,
30.0826

■ 9.5860, 22.7315,
3.1344

■ 68.4869, 112.9197,
43.6786

■ 5.1855, 14.3954,
1.1637

■ 90.2043, 143.3496,
60.8553

■ 2.3924, 8.3962,
0.0000

■ 116.0865,
178.8072, 82.0312

■ 0.8413, 4.3495,
0.0000

■ 146.4990,
219.6769, 107.6249

■ 0.0000, 1.8709,
0.0000

181.8071,

■ 0.0000, 0.5308,

266.3430, 138.0548

0.0000

222.3762,
319.1900, 173.7396

■ 0.0000, 0.0000,
0.0000

■ 24.6706, 47.9521,
11.9584

■ 24.6706, 47.9521,
11.9584

■ 24.3965, 47.8310,
11.0980

■ 25.5818, 48.3680,
14.4997

■ 27.0522, 49.0545,
17.7989

■ 29.1658, 50.0552,
21.9122

■ 31.9907, 51.4043,
26.8895

■ 35.5860, 53.1311,
32.7764

■ 40.0044, 55.2621,
39.6155

■ 45.2940, 57.8212,
47.4466

■ 51.4990, 60.8302,
56.3071

■ 58.6605, 64.3099,
66.2326

Harmonies

Analogous

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



35.1899, 47.9521, 4.2258



24.6706, 47.9521, 11.9584



20.1760, 47.9521, 37.4466

Triad

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



24.6706, 47.9521, 11.9584



40.0782, 47.9521, 211.7296



84.1888, 47.9521, 26.0853

Complementary

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



24.6706, 47.9521, 11.9584



34.2399, 17.0223, 36.6012

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.



86.4510, 47.9521, 70.4226



24.6706, 47.9521, 11.9584



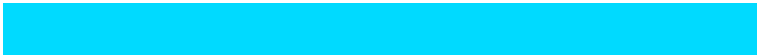
57.8301, 47.9521, 201.0670

Square

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



24.6706, 47.9521, 11.9584



27.4730, 47.9521, 163.3465



75.8452, 47.9521, 139.6657



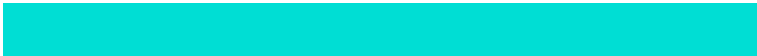
70.2735, 47.9521, 8.1050

Rectangle

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



24.6706, 47.9521, 11.9584



20.1758, 47.9521, 70.4143



75.8452, 47.9521, 139.6657



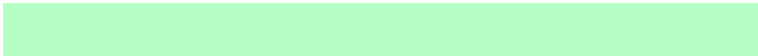
86.4516, 47.9521, 37.4521

Sweetspot

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



24.6717, 47.9541, 11.9595



65.1151, 85.4647, 66.9845



39.4455, 55.6528, 8.9215



13.2126, 17.9424, 13.2615



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.



24.6717, 47.9541, 11.9595



36.6093, 71.8597, 16.3922



30.1314, 50.1380, 40.7098



12.3835, 13.9444, 13.8339



14.9356, 29.2296, 6.9564



0.9337, 1.7761, 0.5927

Inverse Universe

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



34.2399, 17.0223, 36.6012



50.9487, 25.1435, 53.0552



28.4478, 14.7054, 6.1005



12.8195, 12.5793, 14.9899



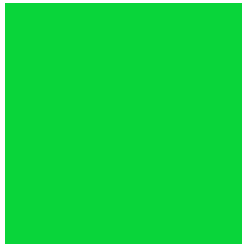
20.7783, 10.2476, 21.9342



1.2846, 0.6306, 1.4882

Previews

White Background



This preview shows how the XYZ color 24.6706, 47.9521, 11.9584 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 24.6706, 47.9521, 11.9584 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 24.6706, 47.9521, 11.9584

Background



This preview shows how black text looks on a background with the XYZ color 24.6706, 47.9521, 11.9584.



This preview shows how white text looks on a background with the XYZ color 24.6706, 47.9521,

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

24.6706, 47.9521, 11.9584

Protanopia

42.6860, 47.0764, 9.8545

Deuteranopia

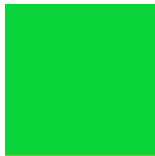
47.8247, 46.6991, 12.7965



Tritanopia

36.7137, 47.8279, 71.5867

Trichromacy



Original Color

24.6706, 47.9521, 11.9584



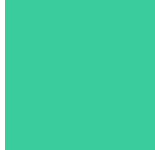
Protanomaly

29.7659, 43.9089, 10.2746



Deuteranomaly

31.2394, 42.6797, 12.0604



Tritanomaly

29.5681, 46.5842, 39.7810

Monochromacy



Original Color

24.6706, 47.9521, 11.9584



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

19.8185, 29.3588, 18.2579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6706, 47.9521, 11.9584 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(9, 213, 58)` looks like.

```
.text, #text, p{  
    color:rgb(9, 213, 58)  
}
```

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(9, 213, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 213, 58) }
```

Border

The CSS property to change the border of an element to XYZ 24.6706, 47.9521, 11.9584 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(9, 213, 58) }
```


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

```
.border{ border-color:rgb(9, 213, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 213, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 213, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 213, 58);  
box-shadow:4px 4px 4px 4px rgb(9, 213, 58)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.6706, 47.9521, 11.9584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 213, 58) }
```

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

```
.background{ background-color: rgb(9, 213,  
58) }
```

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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