

Converting Colors

XYZ(24.9048, 49.5595, 9.0727)

Have a look what the booklet for
XYZ(24.9048, 49.5595, 9.0727)
contains.

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Color

**XYZ(24.9675, 49.6876,
9.0854)**

Conversions

Conversions Part 1

Format	Color
Hex	00D917
RGB	0, 217, 23
RGB Percent	0%, 85%, 9%
CMY	1.0000, 0.1490, 0.9097
CMYK	1.00, 0.00, 0.89, 0.15
HSL	126°, 100%, 43%
HSV	126°, 100%, 85%
XYZ	24.9675, 49.6876, 9.0854
YIQ	130.0010, -67.0580, -106.3380

Conversions

Conversions Part 2

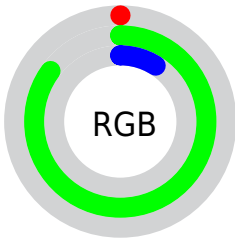
Format	Color
RYB	0, 196, 217
Decimal	55575
CIELab	75.88, -75.80, 71.01
CIELCh	76, 103.869, 136.868
Yxy	49.6876, 0.2982, 0.5934
Android (android.graphics.Color)	4278245655 (0xFF00D917)
YUV	130.0010, -52.7515, -114.0109
Hunter-Lab	70.4894, -60.1314, 41.7007

Details

The XYZ color **24.9675, 49.6876, 9.0854** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **38.3527, 18.6468, 52.6098**, and the grayscale version is **21.4178, 22.5332, 24.5386**.

A 20% lighter version of the original color is **43.9984, 75.5439, 22.3877**, and **12.5708, 25.1416, 4.1903** is the 20% darker color. If you saturate the color by 10%, you get **24.9687, 49.6897, 9.0865**, and if you desaturate by 10%, it is **25.5636, 49.9651, 10.5265**.

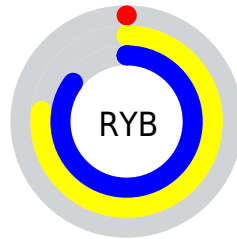
Distribution



Red (0%)

Green (85%)

Blue (9%)



Red (0%)

Yellow (77%)

Blue (85%)

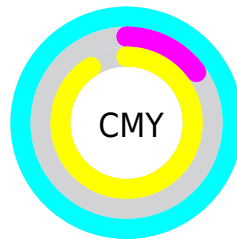


Cyan (100%)

Magenta (0%)

Yellow (89%)

Black (15%)



Cyan (100%)


Magenta (15%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.9675, 49.6876, 9.0854 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 24.9675, 49.6876, 9.0854 by changing the saturation by 10% instead.


 24.9675, 49.6876,
9.0854


 24.9675, 49.6876,
9.0854


270.0267,
385.4430, 194.2552


 16.1814, 35.1652,
4.6994


 51.0478, 89.7118,
24.6407


 9.7443, 23.7902,
2.0163


 69.0727, 115.9825,
36.6471


 5.2907, 15.1781,
0.5653


 90.9079, 146.9381,
52.0307

 2.4553, 8.9444,
0.0000

 116.9189,
182.9629, 71.2099

 0.8728, 4.7050,
0.0000

 147.4709,
224.4414, 94.6035

 0.0000, 2.0752,
0.0000

 182.9293,

 0.0000, 0.6506,

271.7580, 122.6299

0.0000

223.6594,
325.2971, 155.7076

■ 0.0000, 0.0000,
0.0000

■ 24.9675, 49.6876,
9.0854

■ 24.9675, 49.6876,
9.0854

■ 24.9687, 49.6897,
9.0865

■ 25.5636, 49.9651,
10.5265

■ 26.6914, 50.4958,
12.8705

■ 28.4937, 51.3523,
16.2366

■ 31.0558, 52.5764,
20.7237

■ 34.4502, 54.2038,
26.4191

■ 38.7410, 56.2656,
33.4014

■ 43.9859, 58.7903,
41.7427

■ 50.2378, 61.8036,
51.5096

■ 57.5456, 65.3294,
62.7644

Harmonies

Analogous

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



37.2437, 49.6876, 2.7966



24.9675, 49.6876, 9.0854



19.4947, 49.6876, 33.3460

Triad

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



24.9675, 49.6876, 9.0854



39.2773, 49.6876, 238.0075



92.4600, 49.6876, 28.7234

Complementary

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



24.9675, 49.6876, 9.0854



38.3527, 18.6468, 52.6098

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.



93.4448, 49.6876, 82.0604



24.9675, 49.6876, 9.0854



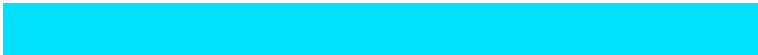
58.8507, 49.6876, 233.2181

Square

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



24.9675, 49.6876, 9.0854



26.1045, 49.6876, 174.8595



79.8671, 49.6876, 164.3514



77.4598, 49.6876, 7.6722

Rectangle

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



24.9675, 49.6876, 9.0854



19.1065, 49.6876, 67.8521



79.8671, 49.6876, 164.3514



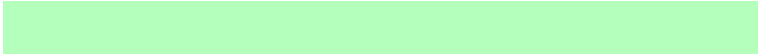
94.5605, 49.6876, 42.3465

Sweetspot

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



24.9687, 49.6897, 9.0865



63.1634, 84.6156, 59.8006



47.3981, 61.2703, 9.3282



12.7977, 17.7636, 11.6575



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.



24.9687, 49.6897, 9.0865



35.9584, 71.5993, 12.9645



28.8567, 51.2449, 29.5607



12.9424, 14.6286, 14.1595



15.1328, 30.0857, 5.5987



0.9998, 1.9569, 0.4648

Inverse Universe

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



38.3527, 18.6468, 52.6098



55.2373, 26.8589, 75.6385



30.3287, 15.4372, 10.3556



13.5518, 13.2498, 16.1669



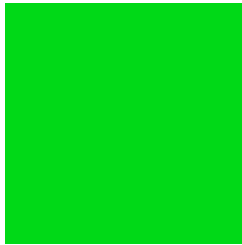
23.2393, 11.2968, 31.9699



1.5230, 0.7388, 2.1631

Previews

White Background



This preview shows how the XYZ color 24.9675, 49.6876, 9.0854 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 24.9675, 49.6876, 9.0854 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

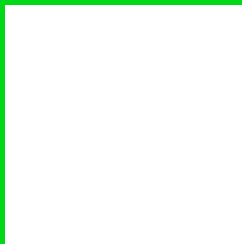
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.9675, 49.6876, 9.0854

Background



This preview shows how black text looks on a background with the XYZ color 24.9675, 49.6876, 9.0854.



This preview shows how white text looks on a background with the XYZ color 24.9675, 49.6876,

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

24.9675, 49.6876, 9.0854

Protanopia

43.8918, 48.6885, 7.2855

Deuteranopia

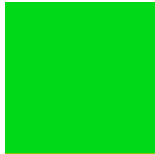
49.7271, 48.6133, 9.8944



Tritanopia

38.0898, 49.5272, 73.8818

Trichromacy



Original Color

24.9675, 49.6876, 9.0854



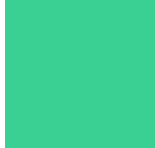
Protanomaly

29.7118, 44.9481, 7.4906



Deuteranomaly

31.2438, 43.7176, 8.8894



Tritanomaly

29.3242, 47.6318, 35.2521

Monochromacy



Original Color

24.9675, 49.6876, 9.0854



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

18.3759, 28.4350, 14.4175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.9675, 49.6876, 9.0854 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, 217, 23)` looks like.

```
.text, #text, p{  
    color:rgb(0, 217, 23)  
}
```

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, 217, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 217, 23) }
```

Border

The CSS property to change the border of an element to XYZ 24.9675, 49.6876, 9.0854 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, 217, 23) }
```


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

```
.border{ border-color:rgb(0, 217, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 217, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 217, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 217, 23);  
box-shadow:4px 4px 4px 4px rgb(0, 217, 23)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.9675, 49.6876, 9.0854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 217, 23) }
```

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

```
.background{ background-color: rgb(0, 217,  
23) }
```

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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