

Converting Colors

XYZ(24.0936, 46.5978, 9.3935)

Have a look what the booklet for
XYZ(24.0936, 46.5978, 9.3935)
contains.

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Color

**XYZ(24.0926, 46.5956,
9.3931)**

Conversions

Conversions Part 1

Format	Color
Hex	24D224
RGB	36, 210, 36
RGB Percent	14%, 82%, 14%
CMY	0.8588, 0.1765, 0.8588
CMYK	0.83, 0.00, 0.83, 0.18
HSL	120°, 71%, 48%
HSV	120°, 83%, 82%
XYZ	24.0926, 46.5956, 9.3931
YIQ	138.1380, -47.8500, -91.0020

Conversions

Conversions Part 2

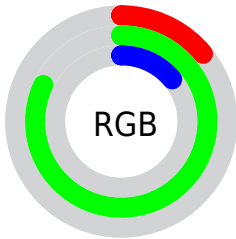
Format	Color
RYB	36, 210, 210
Decimal	2413092
CIELab	73.93, -71.20, 66.68
CIELCh	74, 97.545, 136.875
Yxy	46.5956, 0.3009, 0.5819
Android (android.graphics.Color)	4280603172 (0xFF24D224)
YUV	138.1380, -50.3540, -89.5750
Hunter-Lab	68.2610, -56.4554, 39.6240

Details

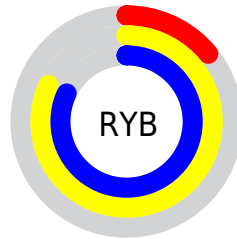
The XYZ color **24.0926, 46.5956, 9.3931** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **38.8427, 19.6170, 62.7095**, and the grayscale version is **24.4110, 25.6823, 27.9680**.

A 20% lighter version of the original color is **45.1201, 76.0961, 23.6192**, and **11.5556, 23.1112, 3.8519** is the 20% darker color. If you saturate the color by 10%, you get **23.3308, 46.2311, 8.1461**, and if you desaturate by 10%, it is **25.4737, 47.2604, 11.6516**.

Distribution



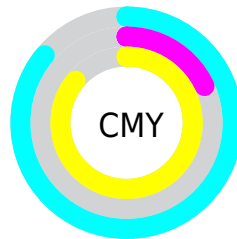
- Red (14%)
- Green (82%)
- Blue (14%)



- Red (14%)
- Yellow (82%)
- Blue (82%)



- Cyan (83%)
- Magenta (0%)
- Yellow (83%)
- Black (18%)





- Cyan (86%)
- Magenta (18%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.0926, 46.5956, 9.3931 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 24.0926, 46.5956, 9.3931 by changing the saturation by 10% instead.


 24.0926, 46.5956,
9.3931


 24.0926, 46.5956,
9.3931


265.7201,
373.1980, 196.6087


 15.5274, 32.7161,
4.8982

 49.6348, 85.1097,
25.2373

 9.2791, 21.9090,
2.1299


 67.3426, 110.5130,
37.4236


 4.9822, 13.7901,
0.6335


 88.8287, 140.5264,
53.0108

 2.2715, 7.9748,
0.0000

 114.4583,
175.5342, 72.4174

 0.7800, 4.0788,
0.0000

 144.5969,
215.9209, 96.0619

 0.0000, 1.7178,
0.0000

 179.6099,

 0.0000, 0.4351,

262.0708, 124.3630

0.0000

219.8625,
314.3684, 157.7390

■ 0.0000, 0.0000,
0.0000

■ 24.0926, 46.5956,
9.3931

■ 24.0926, 46.5956,
9.3931

■ 23.3308, 46.2311,
8.1461

■ 25.4737, 47.2604,
11.6516

■ 23.0476, 46.0950,
7.6828

■ 27.5650, 48.2650,
15.0725

■ 30.4459, 49.6488,
19.7848

■ 34.1842, 51.4445,
25.8996

■ 38.8408, 53.6813,
33.5162

■ 44.4707, 56.3856,
42.7248

■ 51.1247, 59.5819,
53.6085

■ 58.8502, 63.2929,
66.2447

■ 67.6915, 67.5398,
80.7059

Harmonies

Analogous

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



35.2737, 46.5956, 3.1980



24.0926, 46.5956, 9.3931



19.0546, 46.5956, 31.9502

Triad

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



24.0926, 46.5956, 9.3931



37.1214, 46.5956, 212.7890



84.6053, 46.5956, 27.7055

Complementary

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



24.0926, 46.5956, 9.3931



38.8427, 19.6170, 62.7095

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.



85.4804, 46.5956, 75.7311



24.0926, 46.5956, 9.3931



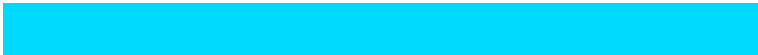
54.7197, 46.5956, 208.5980

Square

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



24.0926, 46.5956, 9.3931



25.1386, 46.5956, 157.6242



73.4468, 46.5956, 148.3751



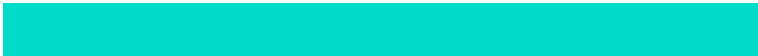
71.3000, 46.5956, 8.0258

Rectangle

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



24.0926, 46.5956, 9.3931



18.6962, 46.5956, 63.0825



73.4468, 46.5956, 148.3751



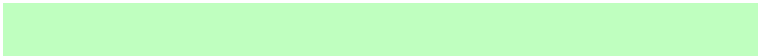
86.4653, 46.5956, 40.1135

Sweetspot

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



24.0937, 46.5975, 9.3941



66.7406, 86.4015, 62.5957



49.9454, 59.9246, 10.6034



13.6117, 18.1700, 12.2964



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.



24.0937, 46.5975, 9.3941



35.8060, 71.5421, 11.9954



27.3504, 47.9002, 26.5439



11.6564, 13.2063, 12.5469



14.0581, 28.1162, 4.6862



0.7860, 1.5721, 0.2621

Inverse Universe

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



38.8427, 19.6170, 62.7095



59.3159, 28.5347, 96.9799



30.7856, 16.3942, 20.2816



12.3108, 12.0091, 14.9127



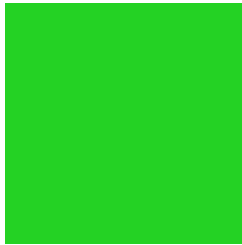
23.3076, 11.1959, 38.1215



1.3032, 0.6260, 2.1316

Previews

White Background



This preview shows how the XYZ color 24.0926, 46.5956, 9.3931 looks on a white background.

Color Contrast Check

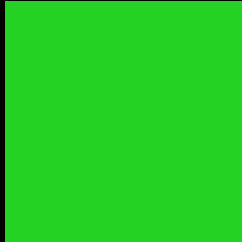
Large Text (above 18pt) WCAG AA × Fail

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 24.0926, 46.5956, 9.3931 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 24.0926, 46.5956, 9.3931

Background



This preview shows how black text looks on a background with the XYZ color 24.0926, 46.5956, 9.3931.



This preview shows how white text looks on a background with the XYZ color 24.0926, 46.5956,

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

24.0926, 46.5956, 9.3931

Protanopia

41.1595, 45.4229, 7.6968

Deuteranopia

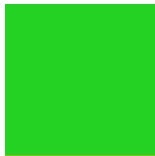
46.3528, 45.4288, 10.1965



Tritanopia

35.7872, 46.0605, 68.6324

Trichromacy



Original Color

24.0926, 46.5956, 9.3931



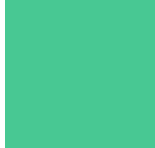
Protanomaly

30.0335, 43.1113, 8.0347



Deuteranomaly

31.6136, 41.9876, 9.3439



Tritanomaly

28.5932, 44.7929, 34.7426

Monochromacy



Original Color

24.0926, 46.5956, 9.3931



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

20.9913, 30.2572, 17.0458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0926, 46.5956, 9.3931 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(36, 210, 36)` looks like.

```
.text, #text, p{  
    color:rgb(36, 210, 36)  
}
```

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(36, 210, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 210, 36) }
```

Border

The CSS property to change the border of an element to XYZ 24.0926, 46.5956, 9.3931 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(36, 210, 36) }
```


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

```
.border{ border-color:rgb(36, 210, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 210, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 210, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 210, 36);  
box-shadow:4px 4px 4px 4px rgb(36, 210,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0926, 46.5956, 9.3931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 210, 36) }
```

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

```
.background{ background-color: rgb(36, 210,  
36) }
```

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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