

Converting Colors

XYZ(24.2044, 47.7659, 9.5620)

Have a look what the booklet for
XYZ(24.2044, 47.7659, 9.5620)
contains.

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Color

**XYZ(24.1978, 47.7615,
9.5336)**

Conversions

Conversions Part 1

Format	Color
Hex	08D523
RGB	8, 213, 35
RGB Percent	3%, 84%, 14%
CMY	0.9686, 0.1647, 0.8627
CMYK	0.96, 0.00, 0.84, 0.16
HSL	128°, 93%, 43%
HSV	128°, 96%, 84%
XYZ	24.1978, 47.7615, 9.5336
YIQ	131.4130, -65.0420, -98.8180

Conversions

Conversions Part 2

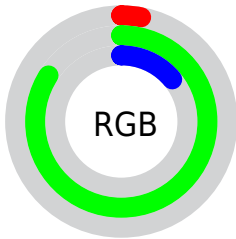
Format	Color
RYB	8, 189, 213
Decimal	578851
CIELab	74.67, -73.94, 67.52
CIELCh	75, 100.135, 137.597
Yxy	47.7615, 0.2969, 0.5861
Android (android.graphics.Color)	4278768931 (0xFF08D523)
YUV	131.4130, -47.5316, -108.2332
Hunter-Lab	69.1097, -58.4427, 40.1978

Details

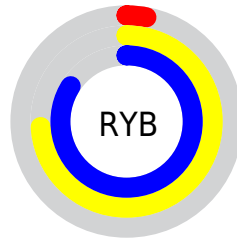
The XYZ color **24.1978, 47.7615, 9.5336** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **36.3914, 17.8656, 47.9843**, and the grayscale version is **21.9047, 23.0454, 25.0965**.

A 20% lighter version of the original color is **44.2243, 75.6343, 23.5773**, and **11.8885, 23.7769, 3.9628** is the 20% darker color. If you saturate the color by 10%, you get **24.0055, 47.6745, 9.0392**, and if you desaturate by 10%, it is **24.9648, 48.1178, 11.4011**.

Distribution



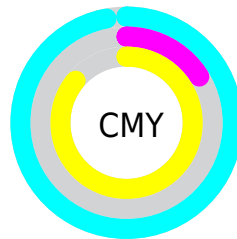
- Red (3%)
- Green (84%)
- Blue (14%)



- Red (3%)
- Yellow (74%)
- Blue (84%)



- Cyan (96%)
- Magenta (0%)
- Yellow (84%)
- Black (16%)





- Cyan (97%)
- Magenta (16%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1978, 47.7615, 9.5336 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 24.1978, 47.7615, 9.5336 by changing the saturation by 10% instead.


 24.1978, 47.7615,
9.5336


 24.1978, 47.7615,
9.5336


266.2409,
377.8460, 197.6724


 15.6059, 33.6381,
4.9893


 49.8051, 86.8492,
25.5084


 9.3348, 22.6157,
2.1824


 67.5513, 112.5822,
37.7760

 5.0191, 14.3100,
0.6642


 89.0796, 142.9539,
53.4552

 2.2933, 8.3366,
0.0000

 114.7554,
178.3487, 72.9643

 0.7912, 4.3111,
0.0000

 144.9441,
219.1508, 96.7221

 0.0000, 1.8490,
0.0000

 180.0110,

 0.0000, 0.5175,

265.7449, 125.1470

0.0000

220.3215,
318.5151, 158.6576

■ 0.0000, 0.0000,
0.0000

■ 24.1978, 47.7615,
9.5336

■ 24.1978, 47.7615,
9.5336

■ 24.0055, 47.6745,
9.0392

■ 24.9648, 48.1178,
11.4011

■ 26.3103, 48.7519,
14.1539

■ 28.3272, 49.7111,
17.8854

■ 31.0899, 51.0322,
22.6759

■ 34.6629, 52.7468,
28.5978

■ 39.1036, 54.8831,
35.7169

■ 44.4642, 57.4667,
44.0938

■ 50.7926, 60.5211,
53.7853

■ 58.1335, 64.0683,
64.8446

Harmonies

Analogous

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



35.6431, 47.7615, 3.0720



24.1978, 47.7615, 9.5336



19.1340, 47.7615, 33.3586

Triad

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



24.1978, 47.7615, 9.5336



38.3065, 47.7615, 223.3845



87.4390, 47.7615, 27.2659

Complementary

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



24.1978, 47.7615, 9.5336



36.3914, 17.8656, 47.9843

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.



88.7121, 47.7615, 76.5551



24.1978, 47.7615, 9.5336



56.7828, 47.7615, 217.2476

Square

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



24.1978, 47.7615, 9.5336



25.6978, 47.7615, 166.1962



76.3429, 47.7615, 152.6856



73.2242, 47.7615, 7.6127

Rectangle

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



24.1978, 47.7615, 9.5336



18.8498, 47.7615, 66.3659



76.3429, 47.7615, 152.6856



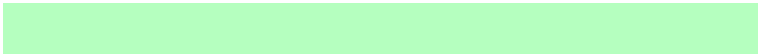
89.5086, 47.7615, 39.8799

Sweetspot

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



24.1989, 47.7635, 9.5347



64.2088, 85.1022, 62.2122



44.8470, 58.4379, 9.1458



13.0032, 17.8587, 12.1587



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.



24.1989, 47.7635, 9.5347



36.0429, 71.6331, 13.4096



28.2279, 49.3751, 30.7510



12.3283, 13.9223, 13.5435



14.6843, 29.1291, 5.6334



0.9079, 1.7658, 0.4570

Inverse Universe

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



36.3914, 17.8656, 47.9843



54.3457, 26.5023, 70.9437



29.2321, 15.0019, 10.2837



12.8794, 12.6032, 15.3049



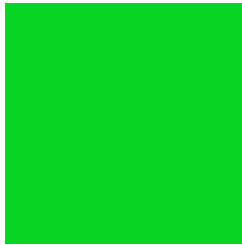
22.1345, 10.7901, 29.0760



1.3551, 0.6588, 1.8591

Previews

White Background



This preview shows how the XYZ color 24.1978, 47.7615, 9.5336 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 24.1978, 47.7615, 9.5336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

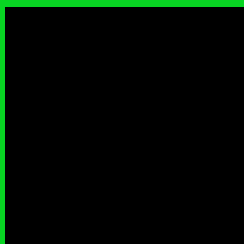
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.1978, 47.7615, 9.5336

Background



This preview shows how black text looks on a background with the XYZ color 24.1978, 47.7615, 9.5336.



This preview shows how white text looks on a background with the XYZ color 24.1978, 47.7615,

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

24.1978, 47.7615, 9.5336

Protanopia

42.2968, 46.9207, 7.8046

Deuteranopia

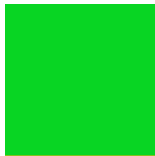
47.6770, 46.6765, 10.3675



Tritanopia

36.4515, 47.3671, 70.8399

Trichromacy



Original Color

24.1978, 47.7615, 9.5336



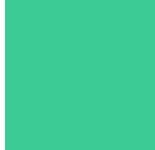
Protanomaly

29.1864, 43.6588, 8.0511



Deuteranomaly

30.7503, 42.4841, 9.4853



Tritanomaly

28.6442, 45.8425, 35.7725

Monochromacy



Original Color

24.1978, 47.7615, 9.5336



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

18.6939, 28.3127, 15.5460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1978, 47.7615, 9.5336 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(8, 213, 35)` looks like.

```
.text, #text, p{  
    color:rgb(8, 213, 35)  
}
```

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(8, 213, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 213, 35) }
```

Border

The CSS property to change the border of an element to XYZ 24.1978, 47.7615, 9.5336 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(8, 213, 35) }
```


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

```
.border{ border-color:rgb(8, 213, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 213, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 213, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 213, 35);  
box-shadow:4px 4px 4px 4px rgb(8, 213, 35)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.1978, 47.7615, 9.5336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 213, 35) }
```

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

```
.background{ background-color: rgb(8, 213,  
35) }
```

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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