

Converting Colors

XYZ(23.6253, 44.9764, 14.8859)

Have a look what the booklet for
XYZ(23.6253, 44.9764, 14.8859)
contains.

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Color

**XYZ(23.7241, 45.1902,
14.8693)**

Conversions

Conversions Part 1

Format	Color
Hex	00CF4F
RGB	0, 207, 79
RGB Percent	0%, 81%, 31%
CMY	1.0000, 0.1882, 0.6902
CMYK	1.00, 0.00, 0.62, 0.19
HSL	143°, 100%, 41%
HSV	143°, 100%, 81%
XYZ	23.7241, 45.1902, 14.8693
YIQ	130.5150, -82.2840, -83.6920

Conversions

Conversions Part 2

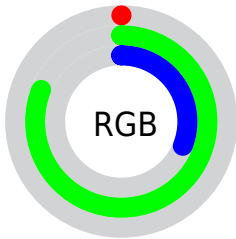
Format	Color
RYB	0, 150, 207
Decimal	53071
CIELab	73.02, -68.88, 50.48
CIELCh	73, 85.400, 143.761
Yxy	45.1902, 0.2832, 0.5394
Android (android.graphics.Color)	4278243151 (0xFF00CF4F)
YUV	130.5150, -25.3969, -114.4617
Hunter-Lab	67.2237, -54.6464, 33.9421

Details

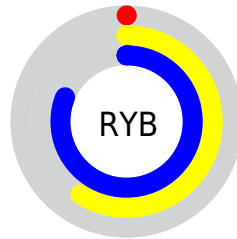
The XYZ color **23.7241, 45.1902, 14.8693** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **29.6297, 14.8246, 21.7231**, and the grayscale version is **21.5102, 22.6304, 24.6445**.

A 20% lighter version of the original color is **45.5184, 76.0695, 34.1136**, and **11.2213, 22.1951, 4.5033** is the 20% darker color. If you saturate the color by 10%, you get **23.7251, 45.1920, 14.8699**, and if you desaturate by 10%, it is **24.5400, 45.5530, 17.5795**.

Distribution



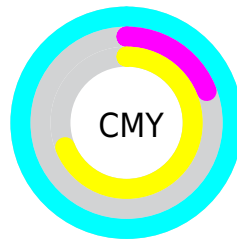
- Red (0%)
- Green (81%)
- Blue (31%)



- Red (0%)
- Yellow (59%)
- Blue (81%)



- Cyan (100%)
- Magenta (0%)
- Yellow (62%)
- Black (19%)



- Cyan (100%)
- Magenta (19%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7241, 45.1902, 14.8693 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 23.7241, 45.1902, 14.8693 by changing the saturation by 10% instead.

■ 23.7241, 45.1902,
14.8693

■ 23.7241, 45.1902,
14.8693

263.8891,
367.5433, 234.1872

■ 15.2527, 31.6073,
8.5821

■ 49.0376, 83.0058,
35.3628

■ 9.0844, 21.0617,
4.3766

■ 66.6103, 108.0072,
50.4062

■ 4.8538, 13.1691,
1.8341

■ 87.9476, 137.5835,
69.2053

■ 2.1956, 7.5451,
0.4503

■ 113.4148,
172.1192, 92.1789

■ 0.7404, 3.8053,
0.0000

■ 143.3771,
211.9987, 119.7453

■ 0.0000, 1.5652,
0.0000

178.2001,

■ 0.0000, 0.3340,

257.6062, 152.3231

0.0000

218.2489,
309.3263, 190.3309

■ 0.0000, 0.0000,
0.0000

■ 23.7241, 45.1902,
14.8693

■ 23.7241, 45.1902,
14.8693

■ 23.7251, 45.1920,
14.8699

■ 24.5400, 45.5530,
17.5795

■ 25.7739, 46.1190,
20.8016

■ 27.5416, 46.9489,
24.5650

■ 29.9069, 48.0748,
28.8943

■ 32.9237, 49.5243,
33.8124

■ 36.6399, 51.3216,
39.3409

■ 41.0987, 53.4885,
45.5003

■ 46.3394, 56.0449,
52.3099

■ 52.3988, 59.0093,
59.7884

Harmonies

Analogous

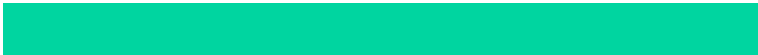
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



32.4015, 45.1902, 5.8149



23.7241, 45.1902, 14.8693



20.2847, 45.1902, 40.8069

Triad

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



23.7241, 45.1902, 14.8693



39.9099, 45.1902, 184.3461



74.9109, 45.1902, 22.9750

Complementary

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



23.7241, 45.1902, 14.8693



29.6297, 14.8246, 21.7231

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.



78.2351, 45.1902, 58.6816



23.7241, 45.1902, 14.8693



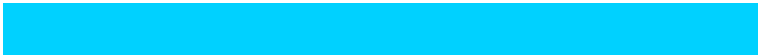
55.5749, 45.1902, 169.1619

Square

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



23.7241, 45.1902, 14.8693



28.1306, 45.1902, 149.6323



70.4850, 45.1902, 115.4834



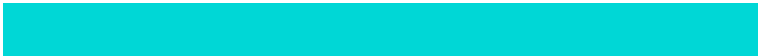
62.2348, 45.1902, 8.2403

Rectangle

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



23.7241, 45.1902, 14.8693



20.6835, 45.1902, 71.4426



70.4850, 45.1902, 115.4834



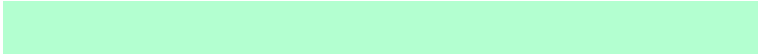
77.2647, 45.1902, 32.1384

Sweetspot

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



23.7252, 45.1920, 14.8703



65.5828, 85.5833, 72.5410



31.6899, 49.4610, 7.8768



13.3568, 17.9873, 14.6017



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.



23.7252, 45.1920, 14.8703



37.9326, 72.3890, 23.3606



30.4914, 47.8985, 50.5005



11.8403, 13.2799, 13.5156



14.9901, 28.4890, 9.5938



0.8764, 1.6082, 0.7378

Inverse Universe

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



29.6297, 14.8246, 21.7231



47.3841, 23.7177, 34.2846



25.9381, 13.3480, 2.2832



12.1116, 11.9294, 13.8634



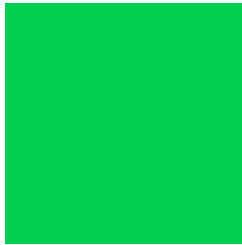
18.7146, 9.3587, 13.9353



1.0844, 0.5385, 0.9795

Previews

White Background



This preview shows how the XYZ color 23.7241, 45.1902, 14.8693 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 23.7241, 45.1902, 14.8693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

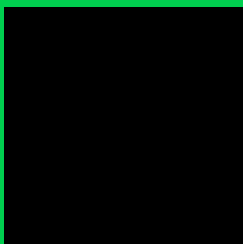
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

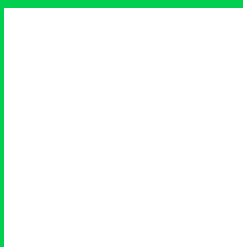
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7241, 45.1902, 14.8693

Background



This preview shows how black text looks on a background with the XYZ color 23.7241, 45.1902, 14.8693.



This preview shows how white text looks on a background with the XYZ color 23.7241, 45.1902,

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

23.7241, 45.1902, 14.8693

Protanopia

40.3146, 44.2888, 12.2181

Deuteranopia

44.9469, 44.0195, 15.8005



Tritanopia

34.4919, 45.0757, 67.8553

Trichromacy



Original Color

23.7241, 45.1902, 14.8693



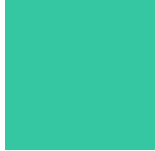
Protanomaly

28.0044, 41.3119, 12.8013



Deuteranomaly

29.2607, 40.0278, 14.9880



Tritanomaly

28.4132, 44.2124, 41.2187

Monochromacy



Original Color

23.7241, 45.1902, 14.8693



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

18.8900, 27.8051, 19.7006

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7241, 45.1902, 14.8693 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, 207, 79)` looks like.

```
.text, #text, p{  
    color:rgb(0, 207, 79)  
}
```

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, 207, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 207, 79) }
```

Border

The CSS property to change the border of an element to XYZ 23.7241, 45.1902, 14.8693 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, 207, 79) }
```


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

```
.border{ border-color:rgb(0, 207, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 207, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 207, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 207, 79);  
box-shadow:4px 4px 4px 4px rgb(0, 207, 79)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.7241, 45.1902, 14.8693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 207, 79) }
```

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

```
.background{ background-color: rgb(0, 207,  
79) }
```

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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