

Converting Colors

XYZ(24.1402, 44.4989, 7.3168)

Have a look what the booklet for
XYZ(24.1402, 44.4989, 7.3168)
contains.

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Color

**XYZ(24.1187, 44.4878,
7.3158)**

Conversions

Conversions Part 1

Format	Color
Hex	46CC00
RGB	70, 204, 0
RGB Percent	27%, 80%, 0%
CMY	0.7255, 0.2000, 0.9999
CMYK	0.66, 0.00, 1.00, 0.20
HSL	99°, 100%, 40%
HSV	99°, 100%, 80%
XYZ	24.1187, 44.4878, 7.3158
YIQ	140.6780, -14.3800, -91.8520

Conversions

Conversions Part 2

Format	Color
RYB	0, 204, 134
Decimal	4639744
CIELab	72.55, -65.15, 71.37
CIELCh	73, 96.632, 132.389
Yxy	44.4878, 0.3177, 0.5860
Android (android.graphics.Color)	4282829824 (0xFF46CC00)
YUV	140.6780, -69.3543, -61.9846
Hunter-Lab	66.6992, -52.1772, 40.1863

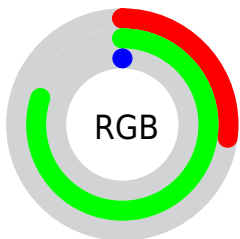
Details

The XYZ color **24.1187, 44.4878, 7.3158** is a dark color, and the websafe version is hex **33CC00**.

The color can be described as dark washed green. A complement of this color would be **20.7354, 9.4308, 57.8565**, and the grayscale version is **25.4604, 26.7863, 29.1703**.

A 20% lighter version of the original color is **47.4363, 77.3634, 20.4151**, and **10.5899, 21.1798, 3.5300** is the 20% darker color. If you saturate the color by 10%, you get **24.1185, 44.4891, 7.3161**, and if you desaturate by 10%, it is **25.3267, 45.0969, 8.0515**.

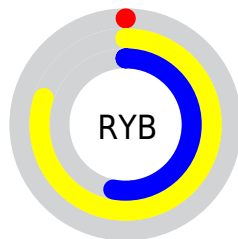
Distribution



Red (27%)

Green (80%)

Blue (0%)



Red (0%)

Yellow (80%)

Blue (53%)

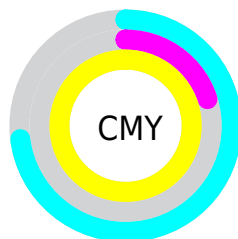


Cyan (66%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (73%)

Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1187, 44.4878, 7.3158 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 24.1187, 44.4878, 7.3158 by changing the saturation by 10% instead.

■ 24.1187, 44.4878,
7.3158

■ 24.1187, 44.4878,
7.3158

265.8494,
364.6952, 179.9918

■ 15.5469, 31.0542,
3.5789

■ 49.6771, 81.9513,
21.1293

■ 9.2929, 20.6401,
1.3973

■ 67.3944, 106.7499,
32.0431

■ 4.9914, 12.8612,
0.1396

■ 88.8910, 136.1057,
46.1863

■ 2.2769, 7.3330,
0.0000

■ 114.5321,
170.4029, 63.9774

■ 0.7828, 3.6712,
0.0000

■ 144.6831,
210.0261, 85.8349

■ 0.0000, 1.4914,
0.0000

■ 179.7094,

■ 0.0000, 0.2827,

255.3596, 112.1775

0.0000

219.9764,
306.7878, 143.4236

■ 0.0000, 0.0000,
0.0000

■ 24.1187, 44.4878,
7.3158

■ 24.1187, 44.4878,
7.3158

■ 24.1185, 44.4891,
7.3161

■ 25.3267, 45.0969,
8.0515

■ 26.8999, 45.8770,
9.5191

■ 28.8982, 46.8551,
11.9675

■ 31.3581, 48.0469,
15.5292

■ 34.3114, 49.4665,
20.3165

■ 37.7866, 51.1264,
26.4276

■ 41.8099, 53.0381,
33.9512

■ 46.4054, 55.2124,
42.9679

■ 51.5960, 57.6593,
53.5523

Harmonies

Analogous

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



35.7615, 44.4878, 2.6965



24.1187, 44.4878, 7.3158



18.4667, 44.4878, 25.6013

Triad

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



24.1187, 44.4878, 7.3158



33.2932, 44.4878, 199.6207



82.0466, 44.4878, 31.2647

Complementary

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



24.1187, 44.4878, 7.3158



20.7354, 9.4308, 57.8565

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.



80.8742, 44.4878, 81.9350



24.1187, 44.4878, 7.3158



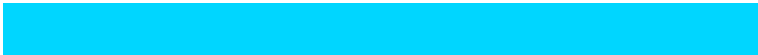
49.5556, 44.4878, 205.2470

Square

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



24.1187, 44.4878, 7.3158



22.7236, 44.4878, 140.6654



67.8404, 44.4878, 153.0729



70.7153, 44.4878, 9.1280

Rectangle

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



24.1187, 44.4878, 7.3158



17.6294, 44.4878, 52.3759



67.8404, 44.4878, 153.0729



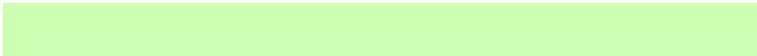
83.1717, 44.4878, 44.7057

Sweetspot

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



24.1197, 44.4897, 7.3168



68.9525, 87.6973, 55.6763



33.2373, 29.5065, 3.9442



14.1287, 18.4718, 10.7238



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.



24.1197, 44.4897, 7.3168



39.7355, 73.5694, 12.1061



21.8364, 43.2846, 8.4741



11.4249, 12.7209, 11.9327



15.2703, 28.0474, 4.6089



0.8689, 1.4888, 0.2416

Inverse Universe

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



20.7354, 9.4308, 57.8565



34.0963, 15.4922, 95.8010



32.4854, 15.8713, 41.0931



11.2993, 11.2036, 14.1373



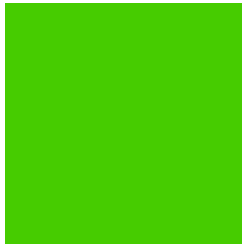
13.1529, 5.9881, 36.4189



0.7580, 0.3499, 1.8825

Previews

White Background



This preview shows how the XYZ color 24.1187, 44.4878, 7.3158 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 24.1187, 44.4878, 7.3158 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

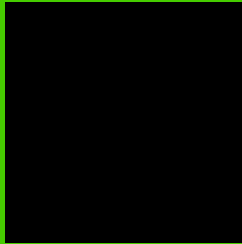
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.1187, 44.4878, 7.3158

Background



This preview shows how black text looks on a background with the XYZ color 24.1187, 44.4878, 7.3158.



This preview shows how white text looks on a background with the XYZ color 24.1187, 44.4878, 7.3158.

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

24.1187, 44.4878, 7.3158

Protanopia

39.2753, 43.5864, 6.3430

Deuteranopia

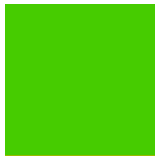
44.3790, 43.3414, 8.3122



Tritanopia

35.4963, 44.3605, 64.4492

Trichromacy



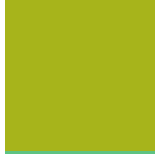
Original Color

24.1187, 44.4878, 7.3158



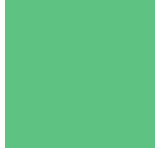
Protanomaly

30.7192, 42.2160, 6.5294



Deuteranomaly

32.4554, 40.9371, 7.2280



Tritanomaly

28.1605, 43.0216, 27.9389

Monochromacy



Original Color

24.1187, 44.4878, 7.3158



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

22.1912, 30.9339, 14.4741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1187, 44.4878, 7.3158 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(70, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(70, 204, 0)  
}
```

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(70, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 24.1187, 44.4878, 7.3158 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(70, 204, 0) }
```


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

```
.border{ border-color:rgb(70, 204, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(70, 204, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 24.1187, 44.4878, 7.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 204, 0) }
```

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

```
.background{ background-color: rgb(70, 204,  
0) }
```

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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