

Converting Colors

XYZ(24.0431, 45.7683, 14.2792)

Have a look what the booklet for
XYZ(24.0431, 45.7683, 14.2792)
contains.

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Color

**XYZ(24.0070, 45.7131,
14.2148)**

Conversions

Conversions Part 1

Format	Color
Hex	0ED04B
RGB	14, 208, 75
RGB Percent	5%, 82%, 29%
CMY	0.9451, 0.1843, 0.7059
CMYK	0.93, 0.00, 0.64, 0.18
HSL	139°, 87%, 44%
HSV	139°, 93%, 82%
XYZ	24.0070, 45.7131, 14.2148
YIQ	134.8320, -72.9310, -82.4910

Conversions

Conversions Part 2

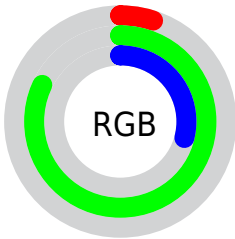
Format	Color
RYB	14, 162, 208
Decimal	970827
CIELab	73.36, -69.11, 52.61
CIELCh	73, 86.853, 142.720
Yxy	45.7131, 0.2860, 0.5446
Android (android.graphics.Color)	4279160907 (0xFF0ED04B)
YUV	134.8320, -29.4972, -105.9697
Hunter-Lab	67.6115, -54.9395, 34.8627

Details

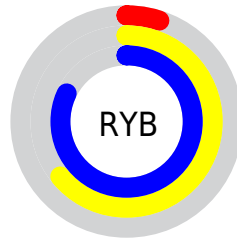
The XYZ color **24.0070, 45.7131, 14.2148** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **31.4375, 15.8315, 29.0053**, and the grayscale version is **23.0936, 24.2963, 26.4587**.

A 20% lighter version of the original color is **45.6663, 76.1692, 33.0641**, and **11.3145, 22.4910, 4.1968** is the 20% darker color. If you saturate the color by 10%, you get **23.5225, 45.4998, 12.6047**, and if you desaturate by 10%, it is **25.0577, 46.1932, 17.1050**.

Distribution



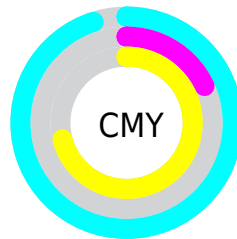
- Red (5%)
- Green (82%)
- Blue (29%)



- Red (5%)
- Yellow (64%)
- Blue (82%)



- Cyan (93%)
- Magenta (0%)
- Yellow (64%)
- Black (18%)



- Cyan (95%)
- Magenta (18%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.0070, 45.7131, 14.2148 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 24.0070, 45.7131, 14.2148 by changing the saturation by 10% instead.

■ 24.0070, 45.7131,
14.2148

■ 24.0070, 45.7131,
14.2148

265.2957,
369.6540, 230.0378

■ 15.4636, 32.0195,
8.1298

■ 49.4962, 83.7895,
34.1923

■ 9.2338, 21.3764,
4.0891

■ 67.1727, 108.9410,
48.9218

■ 4.9523, 13.3994,
1.6744

■ 88.6243, 138.6806,
67.3699

■ 2.2538, 7.7041,
0.3431

■ 114.2163,
173.3927, 89.9551

■ 0.7709, 3.9062,
0.0000

■ 144.3141,
213.4618, 117.0959

■ 0.0000, 1.6212,
0.0000

179.2830,

■ 0.0000, 0.3719,

259.2720, 149.2109

0.0000

219.4884,
311.2080, 186.7187

■ 0.0000, 0.0000,
0.0000

■ 24.0070, 45.7131,
14.2148

■ 24.0070, 45.7131,
14.2148

■ 23.5225, 45.4998,
12.6047

■ 25.0577, 46.1932,
17.1050

■ 26.6404, 46.9328,
20.6253

■ 28.8270, 47.9697,
24.8123

■ 31.6767, 49.3335,
29.6987

■ 35.2412, 51.0505,
35.3151

■ 39.5671, 53.1440,
41.6901

■ 44.6968, 55.6352,
48.8507

■ 50.6694, 58.5439,
56.8226

■ 57.5215, 61.8885,
65.6304

Harmonies

Analogous

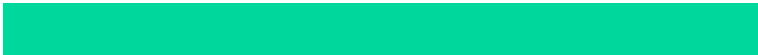
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.0568, 45.7131, 5.5048



24.0070, 45.7131, 14.2148



20.3285, 45.7131, 39.8505

Triad

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



24.0070, 45.7131, 14.2148



39.8297, 45.7131, 188.6688



76.5909, 45.7131, 23.8271

Complementary

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



24.0070, 45.7131, 14.2148



31.4375, 15.8315, 29.0053

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.



79.6122, 45.7131, 61.2212



24.0070, 45.7131, 14.2148



55.8184, 45.7131, 174.7939

Square

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



24.0070, 45.7131, 14.2148



27.9665, 45.7131, 151.2888



71.2832, 45.7131, 120.1537



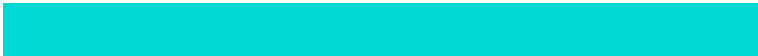
63.7948, 45.7131, 8.3465

Rectangle

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



24.0070, 45.7131, 14.2148



20.6219, 45.7131, 70.7042



71.2832, 45.7131, 120.1537



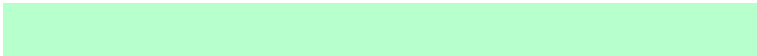
78.8891, 45.7131, 33.4446

Sweetspot

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



24.0081, 45.7150, 14.2158



66.5781, 86.1197, 71.5380



35.1778, 51.6107, 8.5235



13.5179, 18.0777, 14.2778



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.



24.0081, 45.7150, 14.2158



37.2145, 72.1018, 19.5795



29.9186, 48.0792, 45.3401



11.8072, 13.2666, 13.3414



14.6988, 28.3724, 8.0599



0.8576, 1.6007, 0.6388

Inverse Universe

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



31.4375, 15.8315, 29.0053



48.9604, 24.3482, 42.5851



26.8087, 13.9799, 4.6303



12.1460, 11.9431, 14.0446



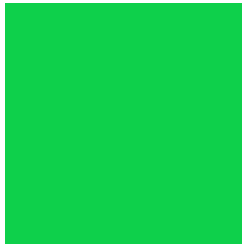
19.3290, 9.6044, 17.1704



1.1158, 0.5510, 1.1444

Previews

White Background



This preview shows how the XYZ color 24.0070, 45.7131, 14.2148 looks on a white background.

Color Contrast Check

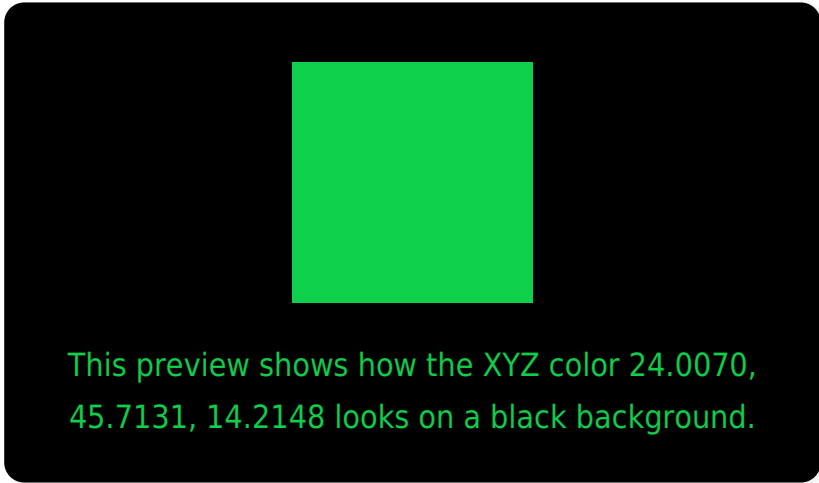
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

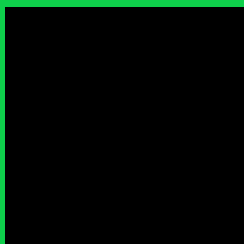
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.0070, 45.7131, 14.2148

Background



This preview shows how black text looks on a background with the XYZ color 24.0070, 45.7131, 14.2148.



This preview shows how white text looks on a background with the XYZ color 24.0070, 45.7131,

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

24.0070, 45.7131, 14.2148

Protanopia

40.6864, 44.7876, 11.8107

Deuteranopia

45.6102, 44.6532, 15.2318



Tritanopia

34.8041, 45.5682, 67.9339

Trichromacy



Original Color

24.0070, 45.7131, 14.2148



Protanomaly

29.0347, 42.1746, 12.4046



Deuteranomaly

30.3789, 40.9253, 14.4818



Tritanomaly

28.8909, 44.8116, 40.8450

Monochromacy



Original Color

24.0070, 45.7131, 14.2148



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

20.2154, 29.2571, 20.2045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.0070, 45.7131, 14.2148 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(14, 208, 75)` looks like.

```
.text, #text, p{  
    color:rgb(14, 208, 75)  
}
```

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(14, 208, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 208, 75) }
```

Border

The CSS property to change the border of an element to XYZ 24.0070, 45.7131, 14.2148 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(14, 208, 75) }
```


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

```
.border{ border-color:rgb(14, 208, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 208, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 208, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 208, 75);  
box-shadow:4px 4px 4px 4px rgb(14, 208,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 24.0070, 45.7131, 14.2148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 208, 75) }
```

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

```
.background{ background-color: rgb(14, 208,  
75) }
```

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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