

Converting Colors

XYZ(24.7147, 35.3912, 12.6664)

Have a look what the booklet for
XYZ(24.7147, 35.3912, 12.6664)
contains.

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Color

**XYZ(24.7312, 35.3476,
12.7270)**

Conversions

Conversions Part 1

Format	Color
Hex	7AAF4E
RGB	122, 175, 78
RGB Percent	48%, 69%, 31%
CMY	0.5216, 0.3137, 0.6941
CMYK	0.30, 0.00, 0.55, 0.31
HSL	93°, 38%, 50%
HSV	93°, 55%, 69%
XYZ	24.7312, 35.3476, 12.7270
YIQ	148.0950, -0.4510, -41.4030

Conversions

Conversions Part 2

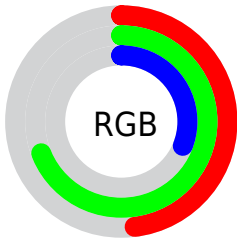
Format	Color
RYB	78, 175, 131
Decimal	8040270
CIELab	66.02, -34.32, 43.62
CIElCh	66, 55.506, 128.194
Yxy	35.3476, 0.3397, 0.4855
Android (android.graphics.Color)	4286230350 (0xFF7AAF4E)
YUV	148.0950, -34.5568, -22.8853
Hunter-Lab	59.4538, -29.7930, 28.9258

Details

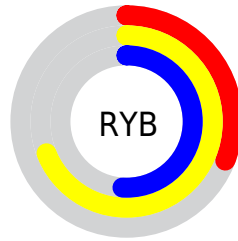
The XYZ color **24.7312, 35.3476, 12.7270** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **19.8238, 13.3702, 42.0953**, and the grayscale version is **28.3287, 29.8040, 32.4565**.

A 20% lighter version of the original color is **50.7366, 68.1106, 31.5917**, and **9.6116, 15.2634, 3.4765** is the 20% darker color. If you saturate the color by 10%, you get **22.8976, 34.4666, 9.7908**, and if you desaturate by 10%, it is **26.8667, 36.3672, 16.5503**.

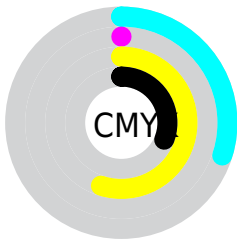
Distribution



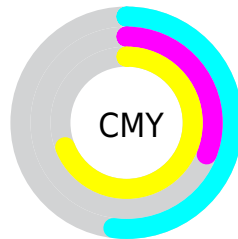
- Red (48%)
- Green (69%)
- Blue (31%)



- Red (31%)
- Yellow (69%)
- Blue (51%)



- Cyan (30%)
- Magenta (0%)
- Yellow (55%)
- Black (31%)




- Cyan (52%)
- Magenta (31%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.7312, 35.3476, 12.7270 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 24.7312, 35.3476, 12.7270 by changing the saturation by 10% instead.


 24.7312, 35.3476,
12.7270


 24.7312, 35.3476,
12.7270

268.8690,
326.1000, 220.3066


 16.0046, 23.9308,
7.1123


 50.6669, 68.0239,
31.4964


 9.6183, 15.2823,
3.4529


 68.6066, 90.0522,
45.4882


 5.2069, 9.0177,
1.3303


 90.3481, 116.3863,
63.1095

 2.4052, 4.7527,
0.0864

 116.2566,
147.4108, 84.7788

 0.8477, 2.1029,
0.0000

 146.6977,
183.5101, 110.9146

 0.0000, 0.6663,
0.0000

182.0365,

 0.0000, 0.0000,

225.0684, 141.9354

0.0000

222.6385,
272.4702, 178.2599

■ 24.7312, 35.3476,
12.7270

■ 24.7312, 35.3476,
12.7270

■ 22.8976, 34.4666,
9.7908

■ 26.8667, 36.3672,
16.5503

■ 21.3460, 33.7121,
7.6677

■ 29.3174, 37.5275,
21.3221

■ 20.0576, 33.0773,
6.2757

■ 32.0986, 38.8362,
27.1012

■ 19.0084, 32.5523,
5.5111

■ 35.2237, 40.2991,
33.9407

■ 18.5867, 32.3400,
5.2626

■ 38.7055, 41.9217,
41.8903

■ 42.5559, 43.7091,
50.9962

■ 46.7862, 45.6662,
61.3023

■ 51.4073, 47.7976,
72.8500

■ 56.4296, 50.1080,
85.6788

Harmonies

Analogous

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



31.3915, 35.3476, 8.8003



24.7312, 35.3476, 12.7270



20.9421, 35.3476, 23.9879

Triad

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



24.7312, 35.3476, 12.7270



28.0547, 35.3476, 97.7624



51.8201, 35.3476, 32.3828

Complementary

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



24.7312, 35.3476, 12.7270



19.8238, 13.3702, 42.0953

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.



50.5350, 35.3476, 57.8964



24.7312, 35.3476, 12.7270



35.9031, 35.3476, 103.0299

Square

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



24.7312, 35.3476, 12.7270



22.6314, 35.3476, 73.8619



44.3623, 35.3476, 86.2235



47.6315, 35.3476, 16.7156

Rectangle

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



24.7312, 35.3476, 12.7270



20.1323, 35.3476, 37.0769



44.3623, 35.3476, 86.2235



52.0255, 35.3476, 39.9335

Sweetspot

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



24.7321, 35.3491, 12.7278



61.9893, 71.6605, 58.3502



27.0029, 25.5598, 10.7185



13.5286, 15.8108, 12.4182



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.7321, 35.3491, 12.7278



40.1995, 61.3343, 16.3575



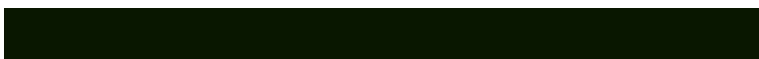
19.9669, 32.8789, 13.1250



8.2366, 9.1106, 8.5378



13.3790, 23.1942, 3.7718



0.4357, 0.6780, 0.1079

Inverse Universe

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



19.8238, 13.3702, 42.0953



30.4638, 17.8281, 74.4724



27.8290, 17.5333, 40.8318



7.9814, 7.9647, 10.0694



9.0392, 4.0198, 29.3440



0.3134, 0.1438, 0.8192

Previews

White Background



This preview shows how the XYZ color 24.7312, 35.3476, 12.7270 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 24.7312, 35.3476, 12.7270 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 24.7312, 35.3476, 12.7270

Background



This preview shows how black text looks on a background with the XYZ color 24.7312, 35.3476, 12.7270.



This preview shows how white text looks on a background with the XYZ color 24.7312, 35.3476,

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

24.7312, 35.3476, 12.7270

Protanopia

31.9049, 34.9698, 11.3716

Deuteranopia

35.5934, 34.8323, 13.2348



Tritanopia

31.6279, 35.0836, 47.2243

Trichromacy



Original Color

24.7312, 35.3476, 12.7270

Protanomaly

28.6298, 34.5864, 11.8235

Deuteranomaly

30.4560, 34.1858, 12.9760

Tritanomaly

28.4008, 34.8638, 30.8237

Monochromacy



Original Color

24.7312, 35.3476, 12.7270

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

26.4495, 31.3727, 23.4004

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7312, 35.3476, 12.7270 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(122, 175, 78)` looks like.

```
.text, #text, p{  
    color:rgb(122, 175, 78)  
}
```

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(122, 175, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 175, 78) }
```

Border

The CSS property to change the border of an element to XYZ 24.7312, 35.3476, 12.7270 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(122, 175, 78) }
```


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

```
.border{ border-color:rgb(122, 175, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 175, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 175, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 175, 78);  
box-shadow:4px 4px 4px 4px rgb(122, 175,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7312, 35.3476, 12.7270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 175, 78) }
```

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

```
.background{ background-color: rgb(122,  
175, 78) }
```

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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