Converting Colors

XYZ(32.3870, 51.4169, 12.9885)

Have a look what the booklet for XYZ(32.3870, 51.4169, 12.9885) contains.

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Color

XYZ(32.4667, 51.5834, 12.9480)

Conversions

Conversions Part 1

Format	Color
Hex	7AD43F
RGB	122, 212, 63
RGB Percent	48%, 83%, 25%
CMY	0.5216, 0.1686, 0.7529
CMYK	0.42, 0.00, 0.70, 0.17
HSL	96°, 63%, 54%
HSV	96°, 70%, 83%
XYZ	32.4667, 51.5834, 12.9480
YIQ	168.1040, -5.8110, -65.4190

Conversions

Conversions Part 2

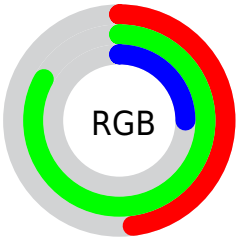
Format	Color
RYB	63, 212, 153
Decimal	8049727
CIELab	77.03, -51.48, 62.05
CIELCh	77, 80.622, 129.681
Yxy	51.5834, 0.3347, 0.5318
Android (android.graphics.Color)	4286239807 (0xFF7AD43F)
YUV	168.1040, -51.8163, -40.4332
Hunter-Lab	71.8216, -44.9975, 39.5863

Details

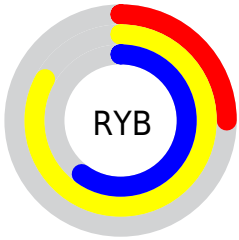
The XYZ color 32.4667, 51.5834, 12.9480 is a dark color, and the websafe version is hex 66CC33. The color can be described as dark muted chartreuse. A complement of this color would be 26.8006, 15.0825, 63.7889, and the grayscale version is 37.5205, 39.4745, 42.9877.

A 20% lighter version of the original color is 57.9122, 82.5552, 30.3352, and 14.0436, 25.1381, 4.1120 is the 20% darker color. If you saturate the color by 10%, you get 30.2895, 50.5184, 10.3268, and if you desaturate by 10%, it is 35.1134, 52.8673, 16.7835.

Distribution

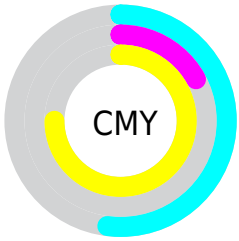


- Red (48%)
- Green (83%)
- Blue (25%)



- Red (25%)
- Yellow (83%)
- Blue (60%)

- Cyan (42%)
- Magenta (0%)
- Yellow (70%)
- Black (17%)



- Cyan (52%)
- Magenta (17%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.4667, 51.5834, 12.9480 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 32.4667, 51.5834, 12.9480 by changing the saturation by 10% instead.

32.4667, 51.5834, 12.9480

32.4667, 51.5834, 12.9480

304.9474, 392.8262, 221.7802

21.8755, 36.6731, 7.2624

62.9023, 92.5166, 31.9001

13.8815, 24.9545, 3.5458

83.4774, 119.3082, 46.0038

8.1195, 16.0432, 1.3797

108.1111, 150.8291, 63.7506

4.2239, 9.5547, 0.1258

137.1689, 187.4637, 85.5591

1.8296, 5.1047, 0.0000

171.0161, 229.5963, 111.8477

0.5354, 2.3088, 0.0000

210.0180,

0.0000, 0.7784,

277.6113, 143.0351

0.0000

254.5400, 331.8931, 179.5398

0.0000, 0.0000, 0.0000

32.4667, 51.5834, 12.9480

32.4667, 51.5834, 12.9480

30.2895, 50.5184, 10.3268

35.1134, 52.8673, 16.7835

28.5410, 49.6497, 8.7694

38.2580, 54.3772, 21.9537

27.1954, 48.9712, 8.0190

41.9308, 56.1280, 28.5682

46.1580, 58.1310, 36.7244

50.9640, 60.3970, 46.5113

56.3717, 62.9358, 58.0109

62.4025, 65.7570, 71.2999

69.0769, 68.8693, 86.4502

76.4142, 72.2814, 103.5297

Harmonies

Analogous

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

44.2219, 51.5834, 7.2130

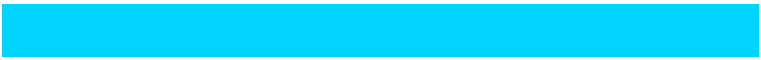
32.4667, 51.5834, 12.9480

26.1966, 51.5834, 31.5906

Triad

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

32.4667, 51.5834, 12.9480



39.4598, 51.5834, 178.9055

84.3386, 51.5834, 43.0938

Complementary

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

32.4667, 51.5834, 12.9480

26.8006, 15.0825, 63.7889

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.

82.3176, 51.5834, 91.0069

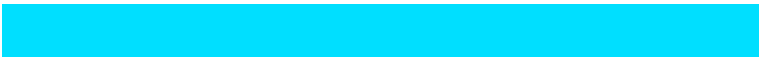
32.4667, 51.5834, 12.9480

54.1712, 51.5834, 187.8491

Square

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

32.4667, 51.5834, 12.9480



29.6093, 51.5834, 129.4540

70.4382, 51.5834, 149.8112

75.4908, 51.5834, 17.5874

Rectangle

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

32.4667, 51.5834, 12.9480

25.0038, 51.5834, 55.6949

70.4382, 51.5834, 149.8112

84.9439, 51.5834, 56.6389

Sweetspot

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

32.4679, 51.5856, 12.9491

76.6801, 91.3911, 69.1351

39.3440, 36.9447, 9.7607

15.9625, 19.3494, 13.8695

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.

32.4679, 51.5856, 12.9491

44.7036, 76.0848, 14.4093

26.9665, 48.6947, 15.1676

12.7230, 14.1334, 13.2182

16.8939, 30.2855, 4.9553

1.1108, 1.8740, 0.3032

Inverse Universe

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

26.8006, 15.0825, 63.7889

35.4546, 17.3593, 96.0897

39.0204, 21.5893, 54.9966

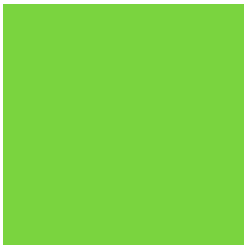
12.4551, 12.3760, 15.6699

12.9533, 5.8302, 38.8958

0.8733, 0.3991, 2.3503

Previews

White Background

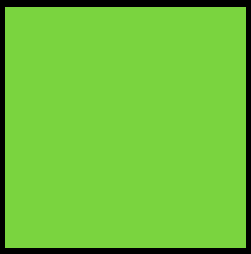


This preview shows how the XYZ color 32.4667, 51.5834, 12.9480 looks on a white background.

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 32.4667, 51.5834, 12.9480 looks on a black background.

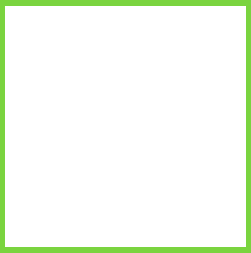
Color Contrast Check

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 32.4667, 51.5834, 12.9480 Background

This preview shows how black text looks on a background with the XYZ color 32.4667, 51.5834, 12.9480.



This preview shows how white text looks on a background with the XYZ color 32.4667, 51.5834,

12.9480.

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
32.4667, 51.5834, 12.9480

Protanopia
46.0875, 50.6876, 11.2255

Deuteranopia
51.8522, 50.8127, 13.7315

Tritanopia
44.0087, 51.2629, 71.1936

Trichromacy

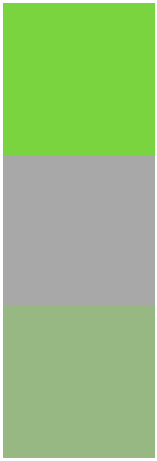
Original Color
32.4667, 51.5834, 12.9480

Protanomaly
39.3461, 49.8320, 11.6824

Deuteranomaly
42.2351, 49.6235, 13.3135

Tritanomaly
37.9305, 50.5334, 40.5557

Monochromacy



Original Color
32.4667, 51.5834, 12.9480

Achromatopsia
37.2190, 39.1572, 42.6422

Achromatomaly
33.9323, 42.4720, 27.5286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4667, 51.5834, 12.9480 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, 212, 63) looks like.

```
.text, #text, p{
    color:rgb(122, 212, 63)
}
```

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, 212, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 212, 63) }
```

Border

The CSS property to change the border of an element to XYZ 32.4667, 51.5834, 12.9480 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, 212, 63) }
```

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

```
.border{ border-color:rgb(122, 212, 63) }
```

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

Here you see how a box with a 4 pixel rgb(122, 212, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(122, 212, 63); -webkit-box-shadow:4px 4px 4px 4px rgb(122, 212, 63); box-shadow:4px 4px 4px 4px rgb(122, 212, 63) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4667, 51.5834, 12.9480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(122, 212, 63) }
```

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

```
.background{ background-color:rgb(122,
212, 63) }
```

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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