

Converting Colors

XYZ(32.4633, 51.1350, 16.3427)

Have a look what the booklet for
XYZ(32.4633, 51.1350, 16.3427)
contains.

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Color

**XYZ(32.4633, 51.1350,
16.3427)**

Conversions

Conversions Part 1

Format	Color
Hex	77D353
RGB	119, 211, 83
RGB Percent	47%, 83%, 33%
CMY	0.5333, 0.1725, 0.6745
CMYK	0.44, 0.00, 0.61, 0.17
HSL	103°, 59%, 58%
HSV	103°, 61%, 83%
XYZ	32.4633, 51.1350, 16.3427
YIQ	168.9000, -13.7440, -59.3120

Conversions

Conversions Part 2

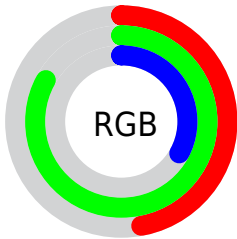
Format	Color
R _Y B	83, 211, 175
Decimal	7852883
CIE Lab	76.76, -50.32, 53.64
CIE LCh	77, 73.554, 133.171
Yxy	51.1350, 0.3248, 0.5117
Android (android.graphics.Color)	4286042963 (0xFF77D353)
YUV	168.9000, -42.3487, -43.7623
Hunter-Lab	71.5087, -44.1055, 36.5059

Details

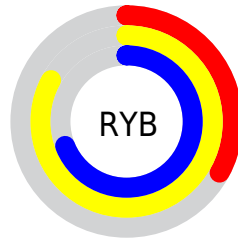
The XYZ color **32.4633, 51.1350, 16.3427** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **32.5331, 20.0055, 63.7776**, and the grayscale version is **37.8714, 39.8437, 43.3898**.

A 20% lighter version of the original color is **58.4068, 82.6733, 36.5461**, and **13.9498, 24.8167, 5.0918** is the 20% darker color. If you saturate the color by 10%, you get **29.8517, 49.8705, 12.5962**, and if you desaturate by 10%, it is **35.6574, 52.6743, 21.4123**.

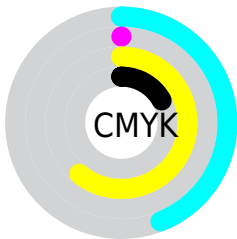
Distribution



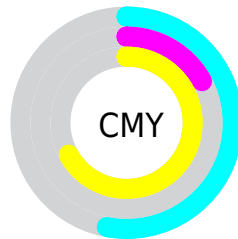
- Red (47%)
- Green (83%)
- Blue (33%)



- Red (33%)
- Yellow (83%)
- Blue (69%)



- Cyan (44%)
- Magenta (0%)
- Yellow (61%)
- Black (17%)





- Cyan (53%)
- Magenta (17%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.4633, 51.1350, 16.3427 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 32.4633, 51.1350, 16.3427 by changing the saturation by 10% instead.


 32.4633, 51.1350,
16.3427


 32.4633, 51.1350,
16.3427


304.9323,
391.0881, 243.2699


 21.8729, 36.3161,
9.6100


 62.8970, 91.8543,
37.9672


 13.8796, 24.6784,
5.0389


 83.4710, 118.5234,
53.6960


 8.1181, 15.8376,
2.2110


 108.1035,
149.9114, 73.2607

 4.2231, 9.4093,
0.6807

 137.1600,
186.4027, 97.0797

 1.8291, 5.0091,
0.0000

 171.0058,
228.3816, 125.5716

 0.5351, 2.2526,
0.0000

210.0062,

 0.0000, 0.7485,

276.2325, 159.1549

0.0000

254.5266,
330.3399, 198.2481

■ 0.0000, 0.0000,
0.0000

■ 32.4633, 51.1350,
16.3427

■ 32.4633, 51.1350,
16.3427

■ 29.8517, 49.8705,
12.5962

■ 35.6574, 52.6743,
21.4123

■ 27.7800, 48.8568,
10.0460

■ 39.4654, 54.4975,
27.9097

■ 26.2046, 48.0762,
8.5465

■ 43.9206, 56.6213,
35.9329

■ 25.1190, 47.5308,
7.8505

■ 49.0528, 59.0590,
45.5704

■ 54.8897, 61.8233,
56.9036

■ 61.4575, 64.9258,
70.0089

■ 68.7810, 68.3780,
84.9576

■ 76.8839, 72.1903,
101.8175

■ 82.5853, 75.0707,
104.7451

Harmonies

Analogous

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



42.7429, 51.1350, 9.3743



32.4633, 51.1350, 16.3427



27.1833, 51.1350, 36.2669

Triad

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



32.4633, 51.1350, 16.3427



41.2429, 51.1350, 166.3258



79.6775, 51.1350, 39.9433

Complementary

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



32.4633, 51.1350, 16.3427



32.5331, 20.0055, 63.7776

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.



79.0630, 51.1350, 81.0103



32.4633, 51.1350, 16.3427



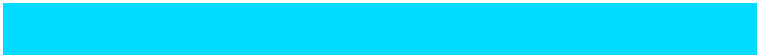
54.9741, 51.1350, 168.9719

Square

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



32.4633, 51.1350, 16.3427



31.5470, 51.1350, 126.5087



69.3610, 51.1350, 132.5959



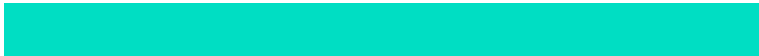
70.9068, 51.1350, 17.9223

Rectangle

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



32.4633, 51.1350, 16.3427



26.4383, 51.1350, 60.0360



69.3610, 51.1350, 132.5959



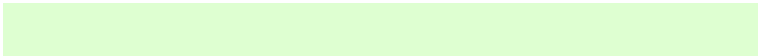
80.6050, 51.1350, 51.5349

Sweetspot

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



32.4645, 51.1372, 16.3438



77.4076, 91.6592, 73.9987



43.7056, 45.0320, 14.5729



16.0320, 19.3645, 14.8102



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.



32.4645, 51.1372, 16.3438



44.7425, 76.0271, 17.9224



29.7178, 49.5718, 22.9652



11.9640, 13.3649, 12.5612



15.2456, 28.7283, 4.7416



0.9304, 1.6465, 0.2688

Inverse Universe

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



32.5331, 20.0055, 63.7776



44.7028, 24.1055, 96.9045



38.5342, 23.4668, 47.4463



11.9733, 11.8350, 14.8970



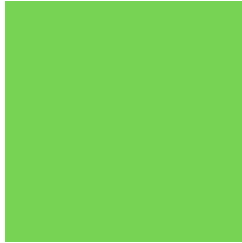
14.9770, 6.9012, 37.7352



0.9127, 0.4247, 2.1134

Previews

White Background



This preview shows how the XYZ color 32.4633, 51.1350, 16.3427 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 32.4633, 51.1350, 16.3427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

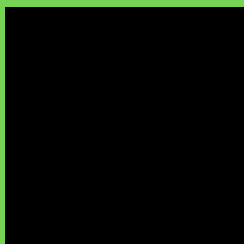
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.4633, 51.1350, 16.3427

Background



This preview shows how black text looks on a background with the XYZ color 32.4633, 51.1350, 16.3427.

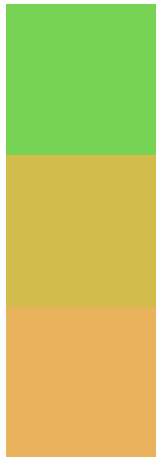


This preview shows how white text looks on a background with the XYZ color 32.4633, 51.1350,

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

32.4633, 51.1350, 16.3427

Protanopia

46.0804, 50.6186, 14.1792

Deuteranopia

51.3306, 50.1687, 17.1033



Tritanopia

43.4870, 50.9940, 71.1691

Trichromacy



Original Color

32.4633, 51.1350, 16.3427



Protanomaly

39.5090, 49.8441, 14.9357



Deuteranomaly

41.9198, 49.0592, 16.7112



Tritanomaly

38.0704, 50.5334, 43.8238

Monochromacy



Original Color

32.4633, 51.1350, 16.3427



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

34.4904, 42.6953, 30.4679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.4633, 51.1350, 16.3427 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(119, 211, 83)` looks like.

```
.text, #text, p{  
    color:rgb(119, 211, 83)  
}
```

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(119, 211, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 211, 83) }
```

Border

The CSS property to change the border of an element to XYZ 32.4633, 51.1350, 16.3427 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(119, 211, 83) }
```


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

```
.border{ border-color:rgb(119, 211, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 211, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 211, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 211, 83);  
box-shadow:4px 4px 4px 4px rgb(119, 211,  
83) }
```

Background

The CSS property to change the background color of an element to XYZ 32.4633, 51.1350, 16.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 211, 83) }
```

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

```
.background{ background-color: rgb(119,  
211, 83) }
```

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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