

Converting Colors

XYZ(31.9766, 49.8665, 10.3869)

Have a look what the booklet for
XYZ(31.9766, 49.8665, 10.3869)
contains.

XYZ(32.0828, 49.9683, 10.4365)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.0828, 49.9683,
10.4365)**

Conversions

Conversions Part 1

Format	Color
Hex	81D02D
RGB	129, 208, 45
RGB Percent	51%, 82%, 18%
CMY	0.4941, 0.1843, 0.8235
CMYK	0.38, 0.00, 0.78, 0.18
HSL	89°, 64%, 50%
HSV	89°, 78%, 82%
XYZ	32.0828, 49.9683, 10.4365
YIQ	165.7970, 5.2390, -67.4410

Conversions

Conversions Part 2

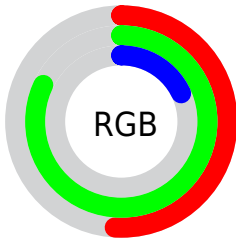
Format	Color
RYB	45, 208, 124
Decimal	8507437
CIELab	76.05, -48.63, 67.18
CIELCh	76, 82.932, 125.902
Yxy	49.9683, 0.3469, 0.5403
Android (android.graphics.Color)	4286697517 (0xFF81D02D)
YUV	165.7970, -59.5529, -32.2710
Hunter-Lab	70.6883, -42.6899, 40.7281

Details

The XYZ color **32.0828, 49.9683, 10.4365** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark washed chartreuse. A complement of this color would be **20.6381, 10.7175, 60.6582**, and the grayscale version is **36.4257, 38.3226, 41.7334**.

A 20% lighter version of the original color is **58.7522, 83.0843, 26.0370**, and **13.9170, 24.0846, 3.9153** is the 20% darker color. If you saturate the color by 10%, you get **30.3205, 49.0968, 8.7540**, and if you desaturate by 10%, it is **34.1958, 51.0009, 13.1664**.

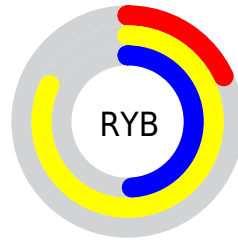
Distribution



Red (51%)

Green (82%)

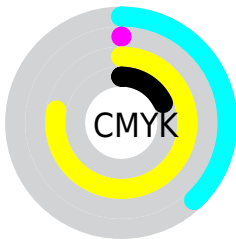
Blue (18%)



Red (18%)

Yellow (82%)

Blue (49%)

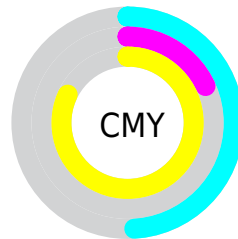


Cyan (38%)

Magenta (0%)

Yellow (78%)

Black (18%)



Cyan (49%)


Magenta (18%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0828, 49.9683, 10.4365 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 32.0828, 49.9683, 10.4365 by changing the saturation by 10% instead.


 32.0828, 49.9683,
10.4365


 32.0828, 49.9683,
10.4365


303.2349,
386.5420, 204.3564


 21.5806, 35.3882,
5.5799


 62.3052, 90.1279,
27.2339


 13.6639, 23.9621,
2.5268


 82.7561, 116.4762,
40.0118


 7.9674, 15.3055,
0.8543


 107.2539,
147.5160, 56.2672

 4.1257, 9.0341,
0.0000

 136.1641,
183.6318, 76.4188

 1.7735, 4.7634,
0.0000

 169.8519,
225.2079, 100.8849

 0.5016, 2.1091,
0.0000

 208.6827,

 0.0000, 0.6698,

272.6287, 130.0842

0.0000

253.0219,
326.2786, 164.4352

■ 0.0000, 0.0000,
0.0000

■ 32.0828, 49.9683,
10.4365

■ 32.0828, 49.9683,
10.4365

■ 30.3205, 49.0968,
8.7540

■ 34.1958, 51.0009,
13.1664

■ 28.8621, 48.3621,
7.9114

■ 36.6856, 52.2005,
17.0752

■ 28.6426, 48.2511,
7.8038

■ 39.5791, 53.5801,
22.2787

■ 42.8995, 55.1491,
28.8779

■ 46.6676, 56.9166,
36.9639

■ 50.9030, 58.8907,
46.6199

■ 55.6236, 61.0790,
57.9232

■ 60.8466, 63.4887,
70.9456

■ 66.5880, 66.1267,
85.7551

Harmonies

Analogous

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



44.4965, 49.9683, 6.0252



32.0828, 49.9683, 10.4365



25.1649, 49.9683, 26.4841

Triad

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



32.0828, 49.9683, 10.4365



36.3419, 49.9683, 175.3086



83.7026, 49.9683, 46.0998

Complementary

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



32.0828, 49.9683, 10.4365



20.6381, 10.7175, 60.6582

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.



80.1960, 49.9683, 97.1901



32.0828, 49.9683, 10.4365



50.6219, 49.9683, 190.9840

Square

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



32.0828, 49.9683, 10.4365



27.2238, 49.9683, 121.3123



67.1849, 49.9683, 156.8641



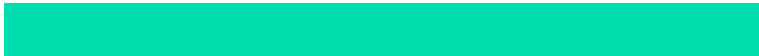
75.9317, 49.9683, 18.1527

Rectangle

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



32.0828, 49.9683, 10.4365



23.5510, 49.9683, 48.5363



67.1849, 49.9683, 156.8641



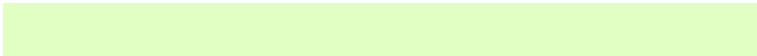
83.8219, 49.9683, 60.7329

Sweetspot

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



32.0840, 49.9705, 10.4376



76.6315, 91.4678, 64.5374



33.6686, 27.9625, 6.1061



15.9001, 19.3434, 12.6861



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.



32.0840, 49.9705, 10.4376



46.4655, 77.0287, 12.8823



24.2366, 45.9250, 10.0703



12.2290, 13.5015, 12.5736



17.9630, 30.1292, 4.8688



1.0958, 1.7318, 0.2765

Inverse Universe

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



20.6381, 10.7175, 60.6582



27.6600, 12.4340, 95.5499



37.5806, 19.4517, 61.4511



11.7012, 11.6948, 14.8843



10.5387, 4.6132, 37.5275



0.6807, 0.3051, 2.1026

Previews

White Background



This preview shows how the XYZ color 32.0828, 49.9683, 10.4365 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 32.0828, 49.9683, 10.4365 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 32.0828, 49.9683, 10.4365

Background



This preview shows how black text looks on a background with the XYZ color 32.0828, 49.9683, 10.4365.



This preview shows how white text looks on a background with the XYZ color 32.0828, 49.9683,

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

32.0828, 49.9683, 10.4365

Protanopia

44.7317, 49.3955, 9.1842

Deuteranopia

50.4432, 49.2525, 10.9857



Tritanopia

43.5629, 49.7663, 67.6315

Trichromacy



Original Color

32.0828, 49.9683, 10.4365

Protanomaly

38.9891, 49.0211, 9.5976

Deuteranomaly

41.4140, 47.9685, 10.5661

Tritanomaly

37.1759, 48.8564, 35.9046

Monochromacy



Original Color

32.0828, 49.9683, 10.4365

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

33.1736, 41.2252, 24.6212

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0828, 49.9683, 10.4365 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(129, 208, 45)` looks like.

```
.text, #text, p{  
    color:rgb(129, 208, 45)  
}
```

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(129, 208, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 208, 45) }
```

Border

The CSS property to change the border of an element to XYZ 32.0828, 49.9683, 10.4365 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(129, 208, 45) }
```


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

```
.border{ border-color:rgb(129, 208, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 208, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 208, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 208, 45);  
box-shadow:4px 4px 4px 4px rgb(129, 208,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0828, 49.9683, 10.4365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 208, 45) }
```

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

```
.background{ background-color: rgb(129,  
208, 45) }
```

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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