

Converting Colors

XYZ(32.8801, 61.4804, 10.1349)

Have a look what the booklet for
XYZ(32.8801, 61.4804, 10.1349)
contains.

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Color

**XYZ(32.8971, 61.4868,
10.1343)**

Conversions

Conversions Part 1

Format	Color
Hex	4BEC00
RGB	75, 236, 0
RGB Percent	29%, 93%, 0%
CMY	0.7059, 0.0745, 0.9999
CMYK	0.68, 0.00, 1.00, 0.07
HSL	101°, 100%, 46%
HSV	101°, 100%, 93%
XYZ	32.8971, 61.4868, 10.1343
YIQ	160.9570, -20.2000, -107.5280

Conversions

Conversions Part 2

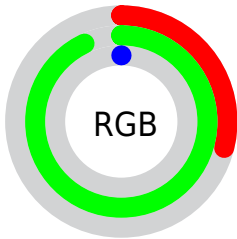
Format	Color
RYB	0, 236, 161
Decimal	4975616
CIELab	82.64, -74.12, 79.43
CIELCh	83, 108.639, 133.017
Yxy	61.4868, 0.3147, 0.5883
Android (android.graphics.Color)	4283165696 (0xFF4BEC00)
YUV	160.9570, -79.3518, -75.3843
Hunter-Lab	78.4135, -62.3369, 47.2267

Details

The XYZ color **32.8971, 61.4868, 10.1343** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed green. A complement of this color would be **29.8471, 13.6382, 80.4196**, and the grayscale version is **34.2234, 36.0057, 39.2102**.

A 20% lighter version of the original color is **49.2402, 78.2610, 21.9619**, and **16.1201, 32.2402, 5.3734** is the 20% darker color. If you saturate the color by 10%, you get **32.8966, 61.4884, 10.1346**, and if you desaturate by 10%, it is **34.4823, 62.2873, 11.0496**.

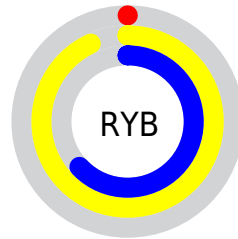
Distribution



Red (29%)

Green (93%)

Blue (0%)



Red (0%)

Yellow (93%)

Blue (63%)

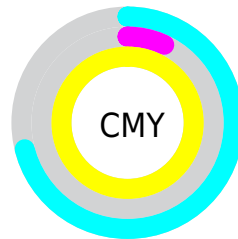


Cyan (68%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (71%)


Magenta (7%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8971, 61.4868, 10.1343 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 32.8971, 61.4868, 10.1343 by changing the saturation by 10% instead.


 32.8971, 61.4868,
10.1343


 32.8971, 61.4868,
10.1343


306.8590,
430.0566, 202.1474

 22.2065, 44.6182,
5.3813


 63.5706, 106.9835,
26.6596

 14.1262, 31.1568,
2.4101


 84.2842, 136.3803,
39.2689


 8.2907, 20.7182,
0.7919


 109.0695,
170.7219, 55.3342


 4.3349, 12.9182,
0.0000

 138.2919,
210.3928, 75.2738

 1.8933, 7.3722,
0.0000

 172.3166,
255.7773, 99.5064

 0.5729, 3.6960,
0.0000

 211.5092,

 0.0000, 1.5050,

307.2599, 128.4506

0.0000

256.2348,
365.2249, 162.5247

■ 0.0000, 0.2922,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.8971, 61.4868,
10.1343

■ 32.8971, 61.4868,
10.1343

■ 32.8966, 61.4884,
10.1346

■ 34.4823, 62.2873,
11.0496

■ 36.6026, 63.3391,
13.0107

■ 39.3412, 64.6800,
16.3445

■ 42.7529, 66.3339,
21.2428

■ 46.8852, 68.3218,
27.8670

■ 51.7811, 70.6629,
36.3583

■ 57.4797, 73.3744,
46.8435

■ 64.0174, 76.4727,
59.4381

■ 71.4281, 79.9729,
74.2488

Harmonies

Analogous

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



48.9204, 61.4868, 3.6051



32.8971, 61.4868, 10.1343



25.2138, 61.4868, 36.0317

Triad

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



32.8971, 61.4868, 10.1343



46.3087, 61.4868, 279.8841



113.8562, 61.4868, 42.0087

Complementary

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



32.8971, 61.4868, 10.1343



29.8471, 13.6382, 80.4196

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.



112.6093, 61.4868, 111.8497



32.8971, 61.4868, 10.1343



69.1238, 61.4868, 285.8896

Square

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



32.8971, 61.4868, 10.1343



31.4252, 61.4868, 198.1622



94.6408, 61.4868, 211.3876



97.6959, 61.4868, 12.0240

Rectangle

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



32.8971, 61.4868, 10.1343



24.1492, 61.4868, 73.9315



94.6408, 61.4868, 211.3876



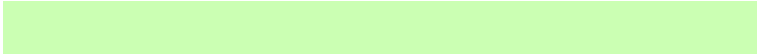
115.5636, 61.4868, 60.4200

Sweetspot

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



32.8985, 61.4894, 10.1357



68.4213, 87.4234, 55.6514



46.7096, 42.0654, 5.6585



14.0050, 18.4080, 10.7180



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.



32.8985, 61.4894, 10.1357



39.1543, 73.2698, 12.0789



30.3694, 60.1426, 11.9591



15.3187, 17.0943, 16.0109



18.2511, 33.9532, 5.5917



1.5297, 2.7159, 0.4436

Inverse Universe

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



29.8471, 13.6382, 80.4196



35.5031, 16.2174, 95.8668



44.6349, 21.8507, 54.4940



15.2225, 15.0600, 19.0268



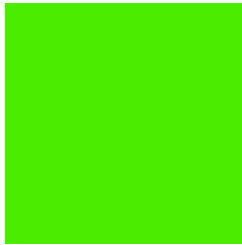
16.5903, 7.5886, 44.3333



1.4018, 0.6469, 3.4859

Previews

White Background



This preview shows how the XYZ color 32.8971, 61.4868, 10.1343 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 32.8971, 61.4868, 10.1343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

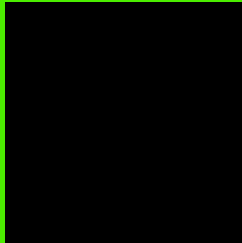
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.8971, 61.4868, 10.1343

Background



This preview shows how black text looks on a background with the XYZ color 32.8971, 61.4868, 10.1343.



This preview shows how white text looks on a background with the XYZ color 32.8971, 61.4868,

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

32.8971, 61.4868, 10.1343

Protanopia

54.2260, 60.0087, 8.7248

Deuteranopia

61.4013, 60.1914, 12.9393



Tritanopia

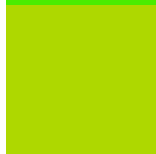
48.5027, 60.8424, 89.3082

Trichromacy



Original Color

32.8971, 61.4868, 10.1343



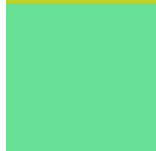
Protanomaly

42.0114, 58.1104, 9.0022



Deuteranomaly

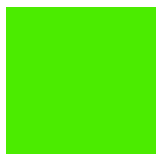
44.4019, 56.6946, 10.5224



Tritanomaly

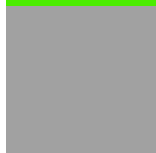
38.2200, 59.0278, 38.6573

Monochromacy



Original Color

32.8971, 61.4868, 10.1343



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

29.5874, 41.6716, 19.0544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8971, 61.4868, 10.1343 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(75, 236, 0)` looks like.

```
.text, #text, p{  
    color:rgb(75, 236, 0)  
}
```

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(75, 236, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 236, 0) }
```

Border

The CSS property to change the border of an element to XYZ 32.8971, 61.4868, 10.1343 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(75, 236, 0) }
```


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

```
.border{ border-color:rgb(75, 236, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 236, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 236, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 236, 0);  
box-shadow:4px 4px 4px 4px rgb(75, 236, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 32.8971, 61.4868, 10.1343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 236, 0) }
```

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

```
.background{ background-color: rgb(75, 236,  
0) }
```

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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