

Converting Colors

XYZ(32.6023, 60.8969, 10.6745)

Have a look what the booklet for
XYZ(32.6023, 60.8969, 10.6745)
contains.

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Color

**XYZ(32.5823, 60.8836,
10.6963)**

Conversions

Conversions Part 1

Format	Color
Hex	49EB14
RGB	73, 235, 20
RGB Percent	29%, 92%, 8%
CMY	0.7137, 0.0784, 0.9215
CMYK	0.69, 0.00, 0.91, 0.08
HSL	105°, 84%, 50%
HSV	105°, 91%, 92%
XYZ	32.5823, 60.8836, 10.6963
YIQ	162.0520, -27.5370, -101.2090

Conversions

Conversions Part 2

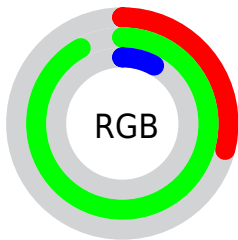
Format	Color
RYB	20, 235, 182
Decimal	4844308
CIELab	82.32, -73.84, 77.23
CIELCh	82, 106.850, 133.717
Yxy	60.8836, 0.3128, 0.5845
Android (android.graphics.Color)	4283034388 (0xFF49EB14)
YUV	162.0520, -70.0316, -78.0986
Hunter-Lab	78.0279, -62.0123, 46.4919

Details


The XYZ color **32.5823, 60.8836, 10.6963** 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 **34.5436, 16.4475, 79.9545**, and the grayscale version is **34.6968, 36.5037, 39.7526**.

A 20% lighter version of the original color is **49.1081, 78.1678, 23.0893**, and **15.9204, 31.8408, 5.3068** is the 20% darker color. If you saturate the color by 10%, you get **31.4495, 60.3160, 9.9846**, and if you desaturate by 10%, it is **34.4410, 61.8068, 12.4506**.

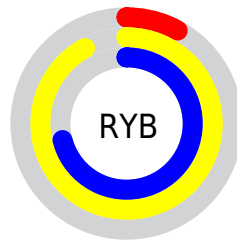
Distribution



 Red (29%)

 Green (92%)

 Blue (8%)




 Red (8%)

 Yellow (92%)

 Blue (71%)

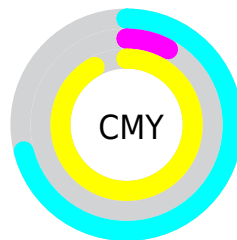



 Cyan (69%)


 Magenta (0%)

 Yellow (91%)

 Black (8%)



 Cyan (71%)


 Magenta (8%)


 Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5823, 60.8836, 10.6963 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 32.5823, 60.8836, 10.6963 by changing the saturation by 10% instead.


 32.5823, 60.8836,
10.6963


 32.5823, 60.8836,
10.6963


305.4617,
427.8471, 206.2340

 21.9644, 44.1312,
5.7514


 63.0819, 106.1104,
27.7252


 13.9472, 30.7737,
2.6282


 83.6943, 135.3536,
40.6463


 8.1654, 20.4266,
0.9070


 108.3688,
169.5292, 57.0632

 4.2537, 12.7055,
0.0000

 137.4709,
209.0216, 77.3945

 1.8466, 7.2261,
0.0000

 171.3659,
254.2152, 102.0587

 0.5455, 3.6039,
0.0000

 210.4191,

 0.0000, 1.4545,

305.4944, 131.4743

0.0000

254.9959,
363.2435, 166.0599

■ 0.0000, 0.2564,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.5823, 60.8836,
10.6963

■ 32.5823, 60.8836,
10.6963

■ 31.4495, 60.3160,
9.9846

■ 34.4410, 61.8068,
12.4506

■ 36.9587, 63.0391,
15.5334

■ 40.2004, 64.6115,
20.1423

■ 44.2212, 66.5491,
26.4409

■ 49.0707, 68.8742,
34.5718

■ 54.7940, 71.6072,
44.6626

■ 61.4328, 74.7672,
56.8295

■ 69.0261, 78.3720,
71.1794

■ 77.6105, 82.4381,
87.8120

Harmonies

Analogous

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



48.0968, 60.8836, 3.8611



32.5823, 60.8836, 10.6963



25.2002, 60.8836, 36.9889

Triad

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



32.5823, 60.8836, 10.6963



46.4422, 60.8836, 274.1170



111.6585, 60.8836, 40.7877

Complementary

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



32.5823, 60.8836, 10.6963



34.5436, 16.4475, 79.9545

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.



110.8740, 60.8836, 108.0194



32.5823, 60.8836, 10.6963



68.8804, 60.8836, 277.8777

Square

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



32.5823, 60.8836, 10.6963



31.6462, 60.8836, 196.1496



93.6963, 60.8836, 204.4464



95.6208, 60.8836, 11.9166

Rectangle

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



32.5823, 60.8836, 10.6963



24.2564, 60.8836, 74.7550



93.6963, 60.8836, 204.4464



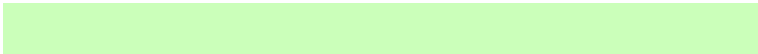
113.4604, 60.8836, 58.4929

Sweetspot

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



32.5837, 60.8862, 10.6977



69.2994, 87.7845, 59.8297



50.9653, 50.8664, 7.7948



14.2658, 18.5194, 11.7754



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.



32.5837, 60.8862, 10.6977



37.7998, 72.5716, 12.0155



31.2266, 60.0593, 16.3842



15.2160, 17.0414, 16.0061



17.5995, 33.6173, 5.5612



1.4672, 2.6837, 0.4407

Inverse Universe

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



34.5436, 16.4475, 79.9545



39.8283, 18.4471, 96.0692



42.8799, 21.5107, 45.7472



15.3312, 15.1160, 19.0319



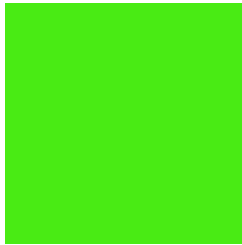
18.5693, 8.6088, 44.4259



1.5442, 0.7204, 3.4925

Previews

White Background



This preview shows how the XYZ color 32.5823, 60.8836, 10.6963 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 32.5823, 60.8836, 10.6963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

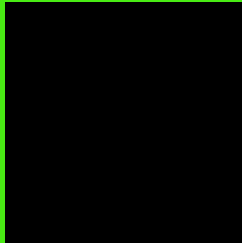
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

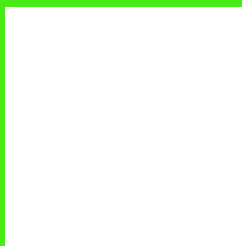
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.5823, 60.8836, 10.6963

Background



This preview shows how black text looks on a background with the XYZ color 32.5823, 60.8836, 10.6963.

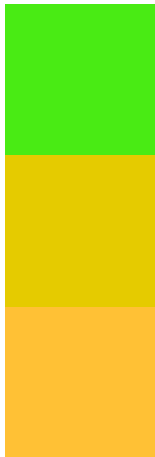


This preview shows how white text looks on a background with the XYZ color 32.5823, 60.8836,

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

32.5823, 60.8836, 10.6963

Protanopia

53.6690, 59.3699, 8.6309

Deuteranopia

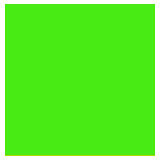
60.9526, 59.6570, 11.6706



Tritanopia

48.0796, 60.6411, 88.5277

Trichromacy



Original Color

32.5823, 60.8836, 10.6963



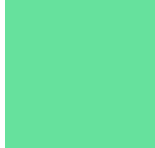
Protanomaly

41.3520, 57.3869, 9.0983



Deuteranomaly

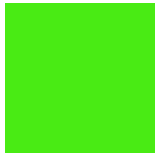
43.9424, 56.0907, 10.6084



Tritanomaly

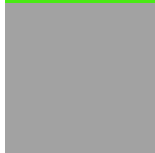
38.4905, 59.1095, 41.2789

Monochromacy



Original Color

32.5823, 60.8836, 10.6963



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

30.2180, 42.2668, 21.3175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5823, 60.8836, 10.6963 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(73, 235, 20)` looks like.

```
.text, #text, p{  
    color:rgb(73, 235, 20)  
}
```

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(73, 235, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 235, 20) }
```

Border

The CSS property to change the border of an element to XYZ 32.5823, 60.8836, 10.6963 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(73, 235, 20) }
```


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

```
.border{ border-color:rgb(73, 235, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 235, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 235, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 235, 20);  
box-shadow:4px 4px 4px 4px rgb(73, 235,  
20) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5823, 60.8836, 10.6963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 235, 20) }
```

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

```
.background{ background-color: rgb(73, 235,  
20) }
```

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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