

Converting Colors

XYZ(34.5769, 66.2969, 10.9742)

Have a look what the booklet for
XYZ(34.5769, 66.2969, 10.9742)
contains.

XYZ(34.5769, 66.2969, 10.9742)	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(34.5769, 66.2969,
10.9742)**

Conversions

Conversions Part 1

Format	Color
Hex	3DF500
RGB	61, 245, 0
RGB Percent	24%, 96%, 0%
CMY	0.7608, 0.0392, 0.9999
CMYK	0.75, 0.00, 1.00, 0.04
HSL	105°, 100%, 48%
HSV	105°, 100%, 96%
XYZ	34.5769, 66.2969, 10.9742
YIQ	162.0540, -31.0190, -115.2030

Conversions

Conversions Part 2

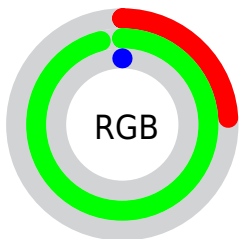
Format	Color
RYB	0, 245, 184
Decimal	4060416
CIELab	85.15, -79.05, 81.32
CIELCh	85, 113.407, 134.190
Yxy	66.2969, 0.3091, 0.5927
Android (android.graphics.Color)	4282250496 (0xFF3DF500)
YUV	162.0540, -79.8926, -88.6244
Hunter-Lab	81.4229, -66.6886, 49.0049

Details

The XYZ color **34.5769, 66.2969, 10.9742** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **36.2593, 16.7889, 87.7192**, and the grayscale version is **34.7447, 36.5541, 39.8075**.

A 20% lighter version of the original color is **48.0867, 77.6615, 22.1286**, and **17.7703, 35.5406, 5.9234** is the 20% darker color. If you saturate the color by 10%, you get **34.5766, 66.2987, 10.9746**, and if you desaturate by 10%, it is **36.0824, 67.0553, 11.9349**.

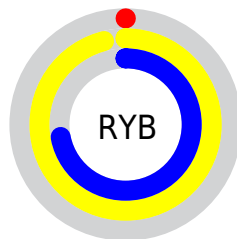
Distribution



Red (24%)

Green (96%)

Blue (0%)



Red (0%)

Yellow (96%)

Blue (72%)

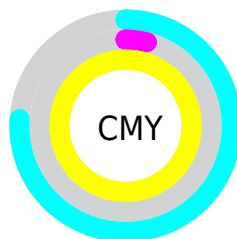


Cyan (75%)

Magenta (0%)

Yellow (100%)

Black (4%)



Cyan (76%)


Magenta (4%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.5769, 66.2969, 10.9742 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 34.5769, 66.2969, 10.9742 by changing the saturation by 10% instead.


 34.5769, 66.2969,
10.9742


 34.5769, 66.2969,
10.9742


314.2377,
447.4379, 208.2215


 23.5021, 48.5135,
5.9355


 66.1681, 113.9124,
28.2484

 15.0874, 34.2337,
2.7378


 87.4153, 144.5132,
41.3210


 8.9675, 23.0732,
0.9624


 112.7840,
180.1552, 57.9086

 4.7769, 14.6476,
0.0000

 142.6396,
221.2229, 78.4298

 2.1504, 8.5724,
0.0000

 177.3474,
268.1006, 103.3032

 0.7164, 4.4633,
0.0000

 217.2728,

 0.0000, 1.9360,

321.1728, 132.9473

0.0000

262.7811,
380.8238, 167.7805

■ 0.0000, 0.5699,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.5769, 66.2969,
10.9742

■ 34.5769, 66.2969,
10.9742

■ 34.5766, 66.2987,
10.9746

■ 36.0824, 67.0553,
11.9349

■ 38.2251, 68.1155,
14.0428

■ 41.1046, 69.5231,
17.6500

■ 44.7896, 71.3089,
22.9680

■ 49.3399, 73.4999,
30.1741

■ 54.8093, 76.1203,
39.4236

■ 61.2468, 79.1926,
50.8557

■ 68.6979, 82.7374,
64.5973

■ 77.2051, 86.7740,
80.7657

Harmonies

Analogous

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



51.7116, 66.2969, 3.6429



34.5769, 66.2969, 10.9742



26.5540, 66.2969, 40.2136

Triad

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



34.5769, 66.2969, 10.9742



50.5429, 66.2969, 310.1505



123.7187, 66.2969, 42.8754

Complementary

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



34.5769, 66.2969, 10.9742



36.2593, 16.7889, 87.7192

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.



123.1551, 66.2969, 117.7548



34.5769, 66.2969, 10.9742



75.8520, 66.2969, 312.8834

Square

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



34.5769, 66.2969, 10.9742



33.9219, 66.2969, 221.5656



103.8786, 66.2969, 227.5682



105.2572, 66.2969, 11.7963

Rectangle

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



34.5769, 66.2969, 10.9742



25.5941, 66.2969, 82.9711



103.8786, 66.2969, 227.5682



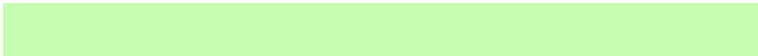
125.8775, 66.2969, 62.3786

Sweetspot

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



34.5784, 66.2997, 10.9757



67.0134, 86.6976, 55.5855



54.7491, 53.5957, 7.4604



13.6784, 18.2397, 10.7028



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.



34.5784, 66.2997, 10.9757



37.8395, 72.5920, 12.0173



33.5040, 65.6476, 15.3597



16.6685, 18.6712, 17.5229



18.7320, 35.7695, 5.9169



1.7365, 3.1903, 0.5243

Inverse Universe

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



36.2593, 16.7889, 87.7192



39.6717, 18.3664, 96.0619



46.2849, 22.8648, 47.1907



16.7873, 16.5485, 20.8520



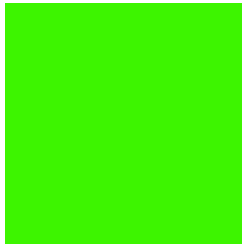
19.6644, 9.1117, 47.2603



1.8214, 0.8488, 4.1581

Previews

White Background



This preview shows how the XYZ color 34.5769, 66.2969, 10.9742 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 34.5769, 66.2969, 10.9742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

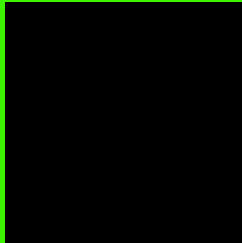
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.5769, 66.2969, 10.9742

Background



This preview shows how black text looks on a background with the XYZ color 34.5769, 66.2969, 10.9742.



This preview shows how white text looks on a background with the XYZ color 34.5769, 66.2969,

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

34.5769, 66.2969, 10.9742

Protanopia

58.5542, 64.7657, 9.4149

Deuteranopia

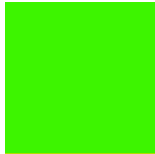
65.1750, 64.6268, 23.7910



Tritanopia

51.7141, 65.9225, 97.1875

Trichromacy



Original Color

34.5769, 66.2969, 10.9742



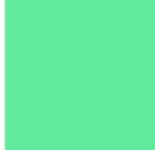
Protanomaly

43.8432, 61.7740, 9.6128



Deuteranomaly

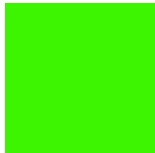
45.9441, 60.7754, 15.1037



Tritanomaly

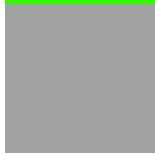
40.4384, 63.8213, 42.0857

Monochromacy



Original Color

34.5769, 66.2969, 10.9742



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

29.7553, 43.0385, 19.5710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5769, 66.2969, 10.9742 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(61, 245, 0)` looks like.

```
.text, #text, p{  
    color:rgb(61, 245, 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(61, 245, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 245, 0) }
```

Border

The CSS property to change the border of an element to XYZ 34.5769, 66.2969, 10.9742 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(61, 245, 0) }
```


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

```
.border{ border-color:rgb(61, 245, 0) }
```

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

Here you see how a box with a 4 pixel rgb(61, 245, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 245, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 245, 0);  
box-shadow:4px 4px 4px 4px rgb(61, 245, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 34.5769, 66.2969, 10.9742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 245, 0) }
```

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

```
.background{ background-color: rgb(61, 245,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor