

Converting Colors

XYZ(3.4304, 6.7865, 1.3727)

Have a look what the booklet for
XYZ(3.4304, 6.7865, 1.3727)
contains.

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Color

XYZ(3.4520, 6.8339, 1.3669)

Conversions

Conversions Part 1

Format	Color
Hex	005708
RGB	0, 87, 8
RGB Percent	0%, 34%, 3%
CMY	1.0000, 0.6588, 0.9686
CMYK	1.00, 0.00, 0.91, 0.66
HSL	126°, 100%, 17%
HSV	126°, 100%, 34%
XYZ	3.4520, 6.8339, 1.3669
YIQ	51.9810, -26.4930, -43.0130

Conversions

Conversions Part 2

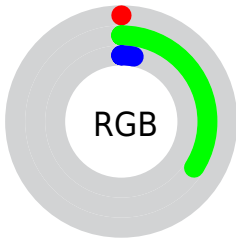
Format	Color
RYB	0, 80, 87
Decimal	22280
CIELab	31.43, -38.84, 35.29
CIELCh	31, 52.474, 137.744
Yxy	6.8339, 0.2962, 0.5865
Android (android.graphics.Color)	4278212360 (0xFF005708)
YUV	51.9810, -21.6826, -45.5873
Hunter-Lab	26.1417, -22.1772, 15.1991

Details

The XYZ color **3.4520, 6.8339, 1.3669** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **5.3418, 2.5908, 7.6150**, and the grayscale version is **3.2891, 3.4604, 3.7684**.

A 20% lighter version of the original color is **12.1926, 19.6860, 7.2948**, and **0.7929, 1.5859, 0.2643** is the 20% darker color. If you saturate the color by 10%, you get **3.4522, 6.8342, 1.3671**, and if you desaturate by 10%, it is **3.6100, 6.9099, 1.6300**.

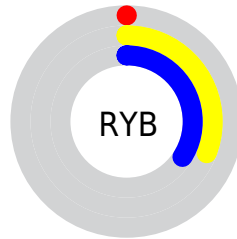
Distribution



Red (0%)

Green (34%)

Blue (3%)



Red (0%)

Yellow (31%)

Blue (34%)

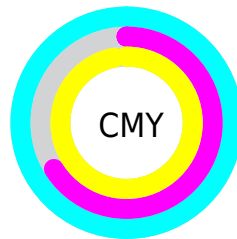


Cyan (100%)

Magenta (0%)

Yellow (91%)

Black (66%)



Cyan (100%)


Magenta (66%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 3.4520, 6.8339, 1.3669 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 3.4520, 6.8339, 1.3669 by changing the saturation by 10% instead.


 3.4520, 6.8339,
1.3669


 3.4520, 6.8339,
1.3669


 128.9475,
166.2763, 111.6082


 1.3971, 3.3584,
0.1157

 12.1378, 19.6383,
7.2238


 0.2541, 1.3216,
0.0000


 19.4994, 29.7360,
12.8912

 0.0000, 0.1578,
0.0000

 29.3605, 42.8099,
20.9425


 0.0000, 0.0000,
0.0000


 42.0866, 59.2444,
31.7964


 58.0430, 79.4239,
45.8714


 77.5950, 103.7328,


63.5860


 101.1081,
132.5555, 85.3587


 3.4520, 6.8339,
1.3669


 3.4520, 6.8339,
1.3669


 3.4522, 6.8342,
1.3671

 3.6100, 6.9099,
1.6300

 3.8096, 7.0047,
2.0048

 4.0936, 7.1403,
2.5080

 4.4710, 7.3210,
3.1498

 4.9490, 7.5505,
3.9394

■ 5.5342, 7.8318,
4.8853

■ 6.2324, 8.1679,
5.9952

■ 7.0493, 8.5615,
7.2763

■ 7.9900, 9.0151,
8.7356

Harmonies

Analogous

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



5.0871, 6.8339, 0.2939



3.4520, 6.8339, 1.3669



2.7310, 6.8339, 4.7954

Triad

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



3.4520, 6.8339, 1.3669



5.4904, 6.8339, 32.0543



12.5192, 6.8339, 3.8732

Complementary

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



3.4520, 6.8339, 1.3669



5.3418, 2.5908, 7.6150

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.



12.7122, 6.8339, 10.9150



3.4520, 6.8339, 1.3669



8.1423, 6.8339, 31.1235

Square

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



3.4520, 6.8339, 1.3669



3.6790, 6.8339, 23.8777



10.9457, 6.8339, 21.8291



10.4730, 6.8339, 1.0768

Rectangle

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



3.4520, 6.8339, 1.3669



2.6928, 6.8339, 9.5431



10.9457, 6.8339, 21.8291



12.8195, 6.8339, 5.6727

Sweetspot

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



3.4522, 6.8342, 1.3671



10.5118, 13.8788, 10.0353



6.6956, 8.5113, 1.2900



2.4893, 3.3498, 2.3291



45.3388, 47.7000, 51.9453



3.7718, 3.9682, 4.3214

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



3.4522, 6.8342, 1.3671



5.8728, 11.6552, 2.2366



4.0004, 7.0535, 4.2539



2.0870, 2.3342, 2.2962



5.3221, 10.5579, 2.0403



29.7348, 59.2442, 10.6064

Inverse Universe

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



5.3418, 2.5908, 7.6150



9.0997, 4.4147, 12.9108



4.2529, 2.1552, 1.8811



2.1722, 2.1473, 2.5808



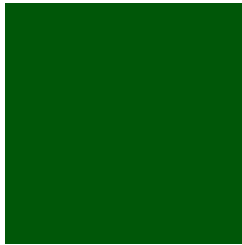
8.2446, 3.9997, 11.7069



46.1411, 22.3990, 64.8519

Previews

White Background



This preview shows how the XYZ color 3.4520, 6.8339, 1.3669 looks on a white background.

Color Contrast Check

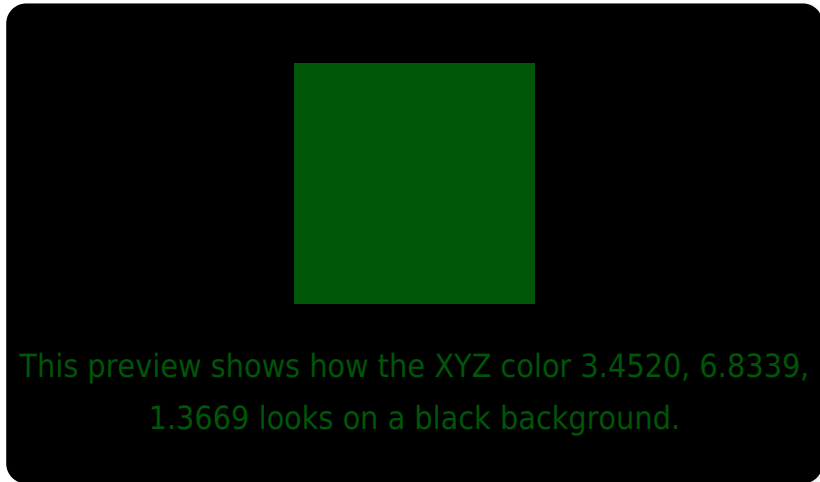
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

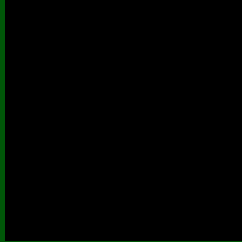
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 3.4520, 6.8339, 1.3669

Background



This preview shows how black text looks on a background with the XYZ color 3.4520, 6.8339, 1.3669.



This preview shows how white text looks on a background with the XYZ color 3.4520, 6.8339, 1.3669.

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

3.4520, 6.8339, 1.3669

Protanopia

6.1722, 6.9170, 1.0098

Deuteranopia

6.8937, 6.8841, 1.6273



Tritanopia

5.3903, 6.9480, 10.0738

Trichromacy



Original Color

3.4520, 6.8339, 1.3669

Protanomaly

4.2806, 6.3554, 1.0873

Deuteranomaly

4.5510, 6.2750, 1.4615

Tritanomaly

4.2103, 6.6742, 5.0693

Monochromacy



Original Color

3.4520, 6.8339, 1.3669

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

2.8359, 4.2313, 2.3363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 3.4520, 6.8339, 1.3669 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(0, 87, 8)` looks like.

```
.text, #text, p{  
    color:rgb(0, 87, 8)  
}
```

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(0, 87, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 87, 8) }
```

Border

The CSS property to change the border of an element to XYZ 3.4520, 6.8339, 1.3669 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(0, 87, 8) }
```

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

```
.border{ border-color:rgb(0, 87, 8) }
```

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

Here you see how a box with a 4 pixel rgb(0, 87, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 87, 8); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 87, 8); box-shadow:4px  
4px 4px 4px rgb(0, 87, 8) }
```


Background

The CSS property to change the background color of an element to XYZ 3.4520, 6.8339, 1.3669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 87, 8) }
```

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

```
.background{ background-color: rgb(0, 87,  
8) }
```

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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