

Converting Colors

XYZ(5.2809, 10.5414, 1.8235)

Have a look what the booklet for
XYZ(5.2809, 10.5414, 1.8235)
contains.

XYZ(5.2687, 10.5198, 1.8103)	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(5.2687, 10.5198,
1.8103)**

Conversions

Conversions Part 1

Format	Color
Hex	006B02
RGB	0, 107, 2
RGB Percent	0%, 42%, 1%
CMY	1.0000, 0.5804, 0.9921
CMYK	1.00, 0.00, 0.98, 0.58
HSL	121°, 100%, 21%
HSV	121°, 100%, 42%
XYZ	5.2687, 10.5198, 1.8103
YIQ	63.0370, -30.0670, -55.3390

Conversions

Conversions Part 2

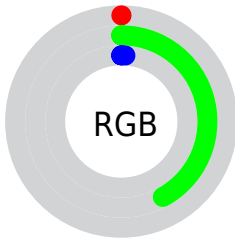
Format	Color
RYB	0, 105, 107
Decimal	27394
CIELab	38.76, -45.39, 43.37
CIELCh	39, 62.776, 136.304
Yxy	10.5198, 0.2994, 0.5978
Android (android.graphics.Color)	4278217474 (0xFF006B02)
YUV	63.0370, -30.0912, -55.2834
Hunter-Lab	32.4342, -27.7639, 19.3947

Details

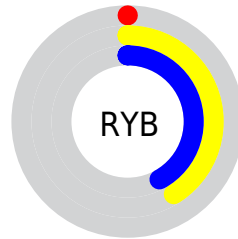
The XYZ color **5.2687, 10.5198, 1.8103** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **8.6134, 4.1459, 13.7104**, and the grayscale version is **4.7767, 5.0255, 5.4728**.

A 20% lighter version of the original color is **16.1843, 26.9132, 8.4794**, and **1.5131, 3.0261, 0.5044** is the 20% darker color. If you saturate the color by 10%, you get **5.2689, 10.5202, 1.8104**, and if you desaturate by 10%, it is **5.4615, 10.6128, 2.1249**.

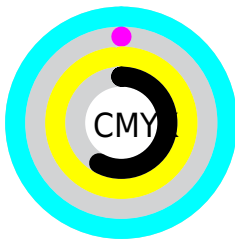
Distribution



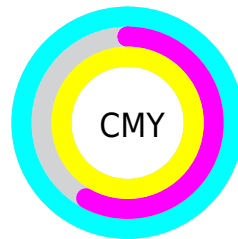
- Red (0%)
- Green (42%)
- Blue (1%)



- Red (0%)
- Yellow (41%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (98%)
- Black (58%)





- Cyan (100%)
- Magenta (58%)
- Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 5.2687, 10.5198, 1.8103 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 5.2687, 10.5198, 1.8103 by changing the saturation by 10% instead.


 5.2687, 10.5198,
1.8103

 5.2687, 10.5198,
1.8103


 147.2683,
194.3428, 119.3579


 2.4421, 5.7449,
0.4347

 16.1350, 26.7687,
8.5154


 0.8662, 2.6906,
0.0000


 24.9055, 39.0115,
14.7730

 0.0000, 0.9724,
0.0000

 36.3880, 54.5125,
23.5254


 0.0000, 0.0000,
0.0000


 50.9479, 73.6560,
35.1911


 68.9505, 96.8263,
50.1887


 90.7612, 124.4080,


68.9366


 116.7454,
156.7853, 91.8535


 5.2687, 10.5198,
1.8103


 5.2687, 10.5198,
1.8103


 5.2689, 10.5202,
1.8104

 5.4615, 10.6128,
2.1249

 5.7305, 10.7416,
2.5823

 6.1385, 10.9372,
3.2639

 6.7007, 11.2071,
4.1935

 7.4306, 11.5576,
5.3919

■ 8.3399, 11.9944,
6.8775

■ 9.4395, 12.5228,
8.6673

■ 10.7393, 13.1475,
10.7770

■ 12.2486, 13.8731,
13.2209

Harmonies

Analogous

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



7.9221, 10.5198, 0.4597



5.2687, 10.5198, 1.8103



4.0781, 10.5198, 6.8516

Triad

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



5.2687, 10.5198, 1.8103



8.2263, 10.5198, 51.0807



19.7767, 10.5198, 6.1628

Complementary

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



5.2687, 10.5198, 1.8103



8.6134, 4.1459, 13.7104

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.



19.9252, 10.5198, 17.7602



5.2687, 10.5198, 1.8103



12.4098, 10.5198, 50.3548

Square

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



5.2687, 10.5198, 1.8103



5.4380, 10.5198, 37.1880



16.9472, 10.5198, 35.5986



16.5847, 10.5198, 1.6037

Rectangle

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



5.2687, 10.5198, 1.8103



3.9806, 10.5198, 14.1508



16.9472, 10.5198, 35.5986



20.2093, 10.5198, 9.1241

Sweetspot

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



5.2689, 10.5202, 1.8105



16.7209, 22.3359, 15.2251



11.1094, 13.5323, 2.0266



3.8885, 5.3300, 3.4270



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



5.2689, 10.5202, 1.8105



9.4290, 18.8351, 3.2140



5.9544, 10.7944, 5.4202



3.0661, 3.4456, 3.3318



6.4083, 12.7974, 2.1955



32.6170, 65.1939, 10.9962

Inverse Universe

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



8.6134, 4.1459, 13.7104



15.4176, 7.4213, 24.5220



6.6772, 3.3714, 3.5146



3.2152, 3.1630, 3.8637



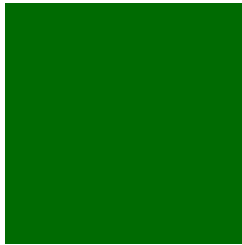
10.4770, 5.0429, 16.6721



53.3467, 25.6806, 84.7514

Previews

White Background



This preview shows how the XYZ color 5.2687, 10.5198, 1.8103 looks on a white background.

Color Contrast Check

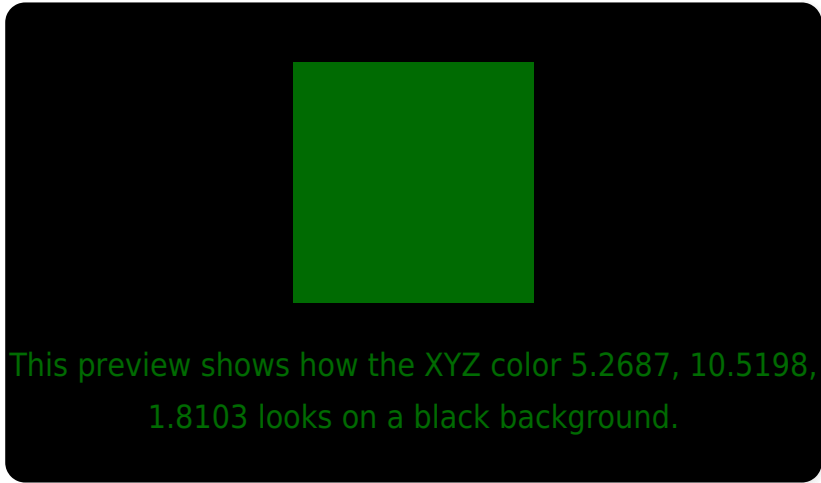
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

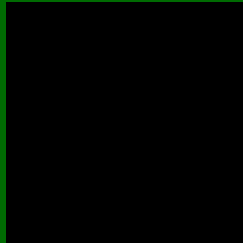
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 5.2687, 10.5198, 1.8103

Background



This preview shows how black text looks on a background with the XYZ color 5.2687, 10.5198, 1.8103.



This preview shows how white text looks on a background with the XYZ color 5.2687, 10.5198,

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

5.2687, 10.5198, 1.8103

Protanopia

9.4207, 10.5379, 1.5375

Deuteranopia

10.6331, 10.5231, 2.2813



Tritanopia

8.2508, 10.5643, 15.7916

Trichromacy



Original Color

5.2687, 10.5198, 1.8103

Protanomaly

6.5269, 9.7098, 1.5589

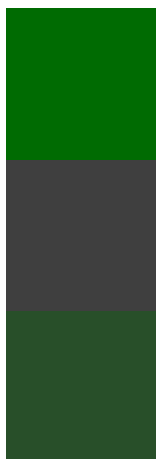
Deuteranomaly

6.8366, 9.4564, 1.9169

Tritanomaly

6.3322, 10.1936, 7.2640

Monochromacy



Original Color

5.2687, 10.5198, 1.8103

Achromatopsia

4.7246, 4.9707, 5.4130

Achromatomaly

4.0713, 6.2032, 3.0806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 5.2687, 10.5198, 1.8103 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, 107, 2)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 2)  
}
```

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, 107, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 2) }
```

Border

The CSS property to change the border of an element to XYZ 5.2687, 10.5198, 1.8103 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, 107, 2) }
```


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

```
.border{ border-color:rgb(0, 107, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 107, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 107, 2); box-shadow:4px  
4px 4px 4px rgb(0, 107, 2) }
```

Background

The CSS property to change the background color of an element to XYZ 5.2687, 10.5198, 1.8103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 2) }
```

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

```
.background{ background-color: rgb(0, 107,  
2) }
```

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