

Converting Colors

XYZ(4.7691, 9.5098, 1.6772)

Have a look what the booklet for
XYZ(4.7691, 9.5098, 1.6772)
contains.

XYZ(4.7678, 9.5093, 1.6703)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

XYZ(4.7678, 9.5093, 1.6703)

Conversions

Conversions Part 1

Format	Color
Hex	006603
RGB	0, 102, 3
RGB Percent	0%, 40%, 1%
CMY	1.0000, 0.6000, 0.9882
CMYK	1.00, 0.00, 0.97, 0.60
HSL	122°, 100%, 20%
HSV	122°, 100%, 40%
XYZ	4.7678, 9.5093, 1.6703
YIQ	60.2160, -29.0130, -52.4130

Conversions

Conversions Part 2

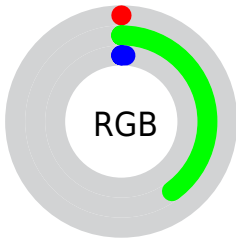
Format	Color
RYB	0, 99, 102
Decimal	26115
CIELab	36.95, -43.82, 41.59
CIELCh	37, 60.416, 136.492
Yxy	9.5093, 0.2990, 0.5963
Android (android.graphics.Color)	4278216195 (0xFF006603)
YUV	60.2160, -28.2075, -52.8094
Hunter-Lab	30.8372, -26.3667, 18.3746

Details

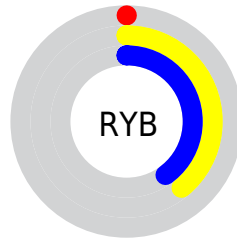
The XYZ color **4.7678, 9.5093, 1.6703** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **7.7318, 3.7257, 12.1157**, and the grayscale version is **4.3666, 4.5940, 5.0028**.

A 20% lighter version of the original color is **15.0175, 24.8047, 8.1340**, and **1.2731, 2.5462, 0.4244** is the 20% darker color. If you saturate the color by 10%, you get **4.7680, 9.5097, 1.6705**, and if you desaturate by 10%, it is **4.9513, 9.5977, 1.9691**.

Distribution



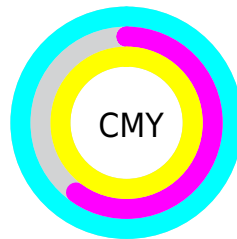
- Red (0%)
- Green (40%)
- Blue (1%)



- Red (0%)
- Yellow (39%)
- Blue (40%)



- Cyan (100%)
- Magenta (0%)
- Yellow (97%)
- Black (60%)





- Cyan (100%)
- Magenta (60%)
- Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 4.7678, 9.5093, 1.6703 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 4.7678, 9.5093, 1.6703 by changing the saturation by 10% instead.


 4.7678, 9.5093,
1.6703


 4.7678, 9.5093,
1.6703


 142.5517,
187.1331, 117.0268


 2.1450, 5.0748,
0.3403

 15.0678, 24.8684,
8.1181


 0.7135, 2.2912,
0.0000


 23.4757, 36.5618,
14.1979

 0.0000, 0.7691,
0.0000

 34.5427, 51.4436,
22.7396


 0.0000, 0.0000,
0.0000


 48.6342, 69.8983,
34.1619


 66.1155, 92.3101,
48.8832


 87.3519, 119.0636,


67.3221


 112.7089,
150.5432, 89.8971


 4.7678, 9.5093,
1.6703


 4.7678, 9.5093,
1.6703


 4.7680, 9.5097,
1.6705

 4.9513, 9.5977,
1.9691

 5.2010, 9.7171,
2.4018

 5.5751, 9.8964,
3.0335

 6.0869, 10.1420,
3.8843

 6.7481, 10.4595,
4.9718

■ 7.5691, 10.8539,
6.3117

■ 8.5593, 11.3298,
7.9186

■ 9.7275, 11.8915,
9.8058

■ 11.0817, 12.5428,
11.9857

Harmonies

Analogous

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



7.1499, 9.5093, 0.4035



4.7678, 9.5093, 1.6703



3.7012, 9.5093, 6.2563

Triad

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



4.7678, 9.5093, 1.6703



7.4632, 9.5093, 45.9649



17.8159, 9.5093, 5.5458

Complementary

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



4.7678, 9.5093, 1.6703



7.7318, 3.7257, 12.1157

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.



17.9685, 9.5093, 15.9362



4.7678, 9.5093, 1.6703



11.2330, 9.5093, 45.2203

Square

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



4.7678, 9.5093, 1.6703



4.9425, 9.5093, 33.5659



15.3080, 9.5093, 31.9345



14.9354, 9.5093, 1.4558

Rectangle

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



4.7678, 9.5093, 1.6703



3.6177, 9.5093, 12.8567



15.3080, 9.5093, 31.9345



18.2107, 9.5093, 8.1992

Sweetspot

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



4.7680, 9.5097, 1.6705



14.8489, 19.7915, 13.6251



10.0405, 12.2297, 1.8314



3.3769, 4.6084, 3.0100



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



4.7680, 9.5097, 1.6705



8.3543, 16.6743, 2.8903



5.3873, 9.7574, 4.9317



2.8002, 3.1438, 3.0492



6.1208, 12.2119, 2.1316



31.8657, 63.6688, 10.8146

Inverse Universe

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



7.7318, 3.7257, 12.1157



13.5521, 6.5310, 21.2094



6.0405, 3.0492, 3.2094



2.9326, 2.8877, 3.5175



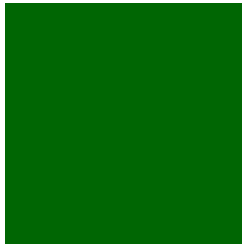
9.9271, 4.7838, 15.5466



51.7162, 24.9265, 80.7721

Previews

White Background



This preview shows how the XYZ color 4.7678, 9.5093, 1.6703 looks on a white background.

Color Contrast Check

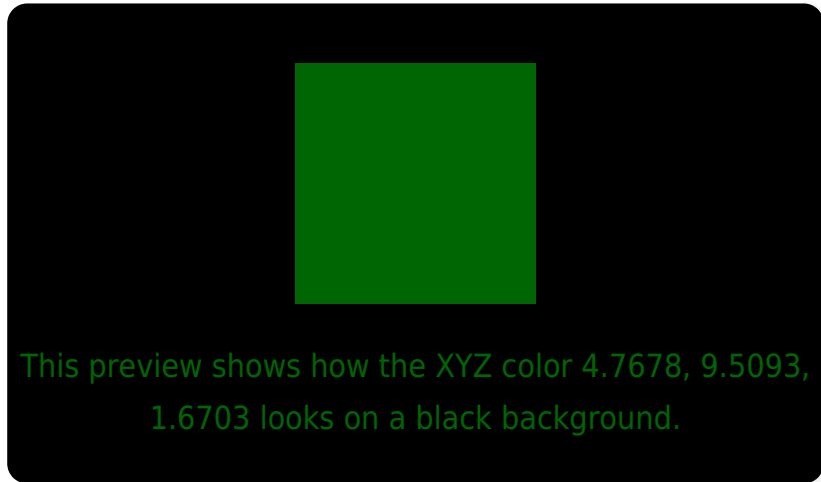
Large Text (above 18pt) WCAG AA ✓ Pass

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

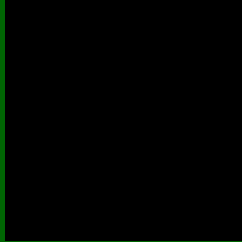
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 4.7678, 9.5093, 1.6703

Background



This preview shows how black text looks on a background with the XYZ color 4.7678, 9.5093, 1.6703.



This preview shows how white text looks on a background with the XYZ color 4.7678, 9.5093, 1.6703.

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

4.7678, 9.5093, 1.6703

Protanopia

8.4452, 9.4131, 1.3718

Deuteranopia

9.5447, 9.4957, 2.0888



Tritanopia

7.4867, 9.6573, 14.0398

Trichromacy



Original Color

4.7678, 9.5093, 1.6703

Protanomaly

5.8192, 8.6806, 1.3975

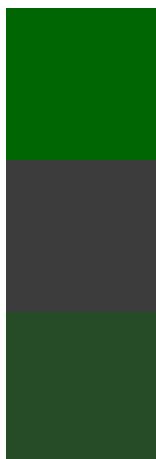
Deuteranomaly

6.1966, 8.6120, 1.7876

Tritanomaly

5.8030, 9.3617, 6.6554

Monochromacy



Original Color

4.7678, 9.5093, 1.6703

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

3.6816, 5.5907, 2.8045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 4.7678, 9.5093, 1.6703 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, 102, 3)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 3)  
}
```

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, 102, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 3) }
```

Border

The CSS property to change the border of an element to XYZ 4.7678, 9.5093, 1.6703 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, 102, 3) }
```

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

```
.border{ border-color:rgb(0, 102, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 102, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 102, 3); box-shadow:4px  
4px 4px 4px rgb(0, 102, 3) }
```


Background

The CSS property to change the background color of an element to XYZ 4.7678, 9.5093, 1.6703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 3) }
```

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

```
.background{ background-color: rgb(0, 102,  
3) }
```

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