

Converting Colors

XYZ(7.7113, 14.3974, 3.2653)

Have a look what the booklet for
XYZ(7.7113, 14.3974, 3.2653)
contains.

XYZ(7.7651, 14.4973, 3.3087)	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(7.7651, 14.4973,
3.3087)**

Conversions

Conversions Part 1

Format	Color
Hex	1D7B19
RGB	29, 123, 25
RGB Percent	11%, 48%, 10%
CMY	0.8863, 0.5176, 0.9019
CMYK	0.76, 0.00, 0.80, 0.52
HSL	118°, 66%, 29%
HSV	118°, 80%, 48%
XYZ	7.7651, 14.4973, 3.3087
YIQ	83.7220, -24.5660, -50.4060

Conversions

Conversions Part 2

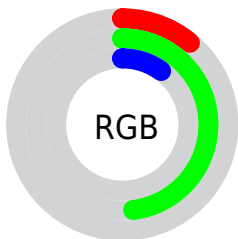
Format	Color
RYB	25, 123, 119
Decimal	1932057
CIELab	44.94, -45.71, 42.65
CIELCh	45, 62.518, 136.979
Yxy	14.4973, 0.3037, 0.5669
Android (android.graphics.Color)	4280122137 (0xFF1D7B19)
YUV	83.7220, -28.9499, -47.9912
Hunter-Lab	38.0753, -30.2284, 21.5005




Details

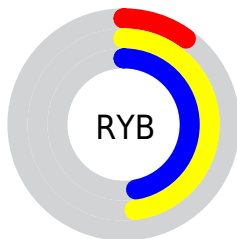
The XYZ color **7.7651, 14.4973, 3.3087** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **11.5317, 6.0480, 19.2992**, and the grayscale version is **8.4312, 8.8703, 9.6597**.




A 20% lighter version of the original color is **21.2781, 34.1538, 12.4920**, and **2.3825, 4.7651, 0.7942** is the 20% darker color. If you saturate the color by 10%, you get **7.3888, 14.3158, 2.7446**, and if you desaturate by 10%, it is **8.3284, 14.7693, 4.1872**.

Distribution







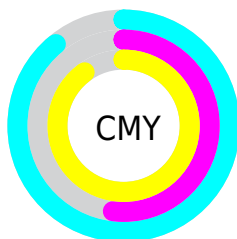
-  Red (11%)
-  Green (48%)
-  Blue (10%)






-  Red (10%)
-  Yellow (48%)
-  Blue (47%)



-  Cyan (76%)
-  Magenta (0%)
-  Yellow (80%)
-  Black (52%)



-  Cyan (89%)
-  Magenta (52%)
-  Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.7651, 14.4973, 3.3087 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 7.7651, 14.4973, 3.3087 by changing the saturation by 10% instead.

■ 7.7651, 14.4973,
3.3087

■ 7.7651, 14.4973,
3.3087

168.2878,
220.3030, 140.2002

■ 3.9955, 8.4674,
1.2543

■ 21.1865, 33.9688,
12.3811

■ 1.6996, 4.3954,
0.0239

■ 31.5691, 48.1792,
20.2363

■ 0.4560, 1.8971,
0.0000

■ 44.8867, 65.8852,
30.8621

■ 0.0000, 0.5466,
0.0000


■ 61.5047, 87.4712,
44.6771


■ 0.0000, 0.0000,
0.0000


■ 81.7884, 113.3216,
62.0999


■ 106.1033,


143.8207, 83.5490


 134.8146,
179.3531, 109.4429


 7.7651, 14.4973,
3.3087


 7.7651, 14.4973,
3.3087


 7.3888, 14.3158,
2.7446


 8.3284, 14.7693,
4.1872


 7.1531, 14.2022,
2.3759

 9.0976, 15.1394,
5.4158

 7.1460, 14.1989,
2.3640

 10.0903, 15.6166,
7.0262

 11.3222, 16.2082,
9.0466

 12.8073, 16.9209,
11.5022

■ 14.5586, 17.7611,
14.4166

■ 16.5884, 18.7345,
17.8113

■ 18.9081, 19.8465,
21.7066

■ 21.5283, 21.1022,
26.1217

Harmonies

Analogous

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



11.1012, 14.4973, 1.2629



7.7651, 14.4973, 3.3087



6.2444, 14.4973, 10.2493

Triad

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



7.7651, 14.4973, 3.3087



11.6791, 14.4973, 62.2300



25.4941, 14.4973, 8.9037

Complementary

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



7.7651, 14.4973, 3.3087



11.5317, 6.0480, 19.2992

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.



25.7600, 14.4973, 23.0233



7.7651, 14.4973, 3.3087



16.8567, 14.4973, 60.9818

Square

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



7.7651, 14.4973, 3.3087



8.0975, 14.4973, 46.6476



22.2968, 14.4973, 43.8714



21.6412, 14.4973, 2.8466

Rectangle

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



7.7651, 14.4973, 3.3087



6.1387, 14.4973, 19.4621



22.2968, 14.4973, 43.8714



26.0343, 14.4973, 12.6031

Sweetspot

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



7.7654, 14.4979, 3.3090



24.4665, 31.0353, 23.1438



14.8347, 17.2623, 3.4700



5.5471, 7.2060, 5.0930



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



7.7654, 14.4979, 3.3090



12.8808, 25.4651, 4.4209



8.5616, 14.8042, 8.0533



3.9646, 4.4570, 4.2758



7.3911, 14.6874, 2.4454



35.0807, 69.9702, 11.6567

Inverse Universe

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



11.5317, 6.0480, 19.2992



19.8674, 9.6060, 34.3636



9.9242, 5.4697, 7.9113



4.1391, 4.0696, 5.0105



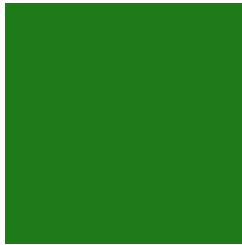
11.4242, 5.4621, 19.8375



54.3141, 25.9619, 94.6183

Previews

White Background



This preview shows how the XYZ color 7.7651, 14.4973, 3.3087 looks on a white background.

Color Contrast Check

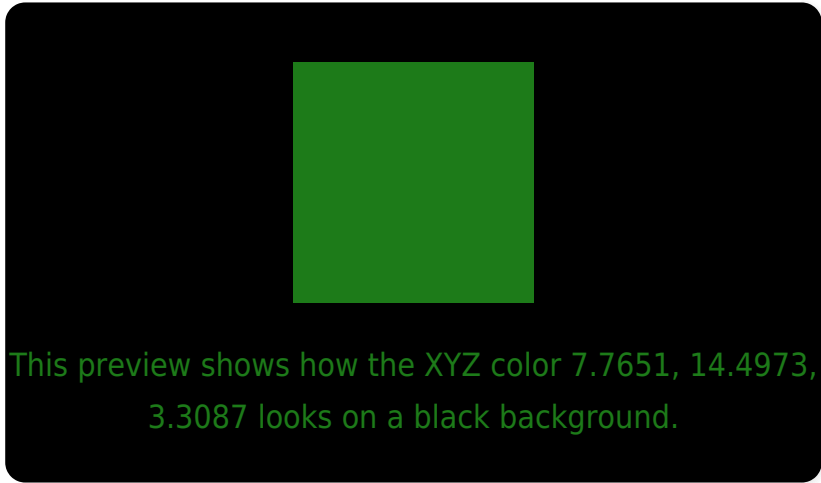
Large Text (above 18pt) WCAG AA ✓ Pass

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

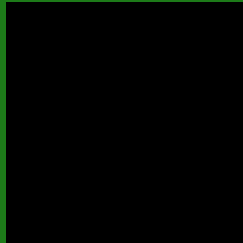
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 7.7651, 14.4973, 3.3087

Background



This preview shows how black text looks on a background with the XYZ color 7.7651, 14.4973, 3.3087.



This preview shows how white text looks on a background with the XYZ color 7.7651, 14.4973,

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

7.7651, 14.4973, 3.3087

Protanopia

12.8971, 14.2841, 2.7868

Deuteranopia

14.3913, 14.1473, 3.6413



Tritanopia

11.4562, 14.5866, 21.2805

Trichromacy



Original Color

7.7651, 14.4973, 3.3087

Protanomaly

9.7767, 13.6247, 2.8736

Deuteranomaly

10.3426, 13.2623, 3.3813

Tritanomaly

9.4122, 14.2658, 11.4900

Monochromacy



Original Color

7.7651, 14.4973, 3.3087

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

7.3792, 10.1842, 6.2795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.7651, 14.4973, 3.3087 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(29, 123, 25)` looks like.

```
.text, #text, p{  
    color:rgb(29, 123, 25)  
}
```

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(29, 123, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 123, 25) }
```

Border

The CSS property to change the border of an element to XYZ 7.7651, 14.4973, 3.3087 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(29, 123, 25) }
```


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

```
.border{ border-color:rgb(29, 123, 25) }
```

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

Here you see how a box with a 4 pixel rgb(29, 123, 25) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 123, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 123, 25);  
box-shadow:4px 4px 4px 4px rgb(29, 123,  
25) }
```

Background

The CSS property to change the background color of an element to XYZ 7.7651, 14.4973, 3.3087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 123, 25) }
```

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

```
.background{ background-color: rgb(29, 123,  
25) }
```

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