

Converting Colors

XYZ(5.5578, 13.7469, 4.9436)

Have a look what the booklet for
XYZ(5.5578, 13.7469, 4.9436)
contains.

XYZ(7.8268, 14.8645, 5.0414)	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(7.8268, 14.8645,
5.0414)**

Conversions

Conversions Part 1

Format	Color
Hex	007D2E
RGB	0, 125, 46
RGB Percent	0%, 49%, 18%
CMY	1.0000, 0.5098, 0.8196
CMYK	1.00, 0.00, 0.63, 0.51
HSL	142°, 100%, 25%
HSV	142°, 100%, 49%
XYZ	7.8268, 14.8645, 5.0414
YIQ	78.6190, -49.1410, -51.0690

Conversions

Conversions Part 2

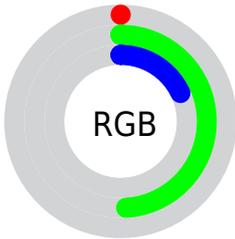
Format	Color
RYB	0, 91, 125
Decimal	32046
CIELab	45.45, -47.33, 34.13
CIELCh	45, 58.353, 144.207
Yxy	14.8645, 0.2822, 0.5360
Android (android.graphics.Color)	4278222126 (0xFF007D2E)
YUV	78.6190, -16.0812, -68.9489
Hunter-Lab	38.5545, -31.2338, 19.2354

Details

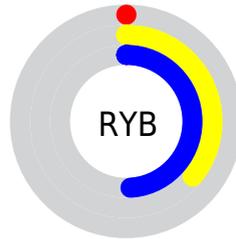
The XYZ color **7.8268, 14.8645, 5.0414** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **9.8693, 4.9249, 7.8286**, and the grayscale version is **7.3960, 7.7811, 8.4737**.

A 20% lighter version of the original color is **21.3275, 34.6861, 16.3975**, and **2.4488, 4.8976, 0.8163** is the 20% darker color. If you saturate the color by 10%, you get **7.8270, 14.8650, 5.0414**, and if you desaturate by 10%, it is **8.1563, 15.0151, 5.9464**.

Distribution



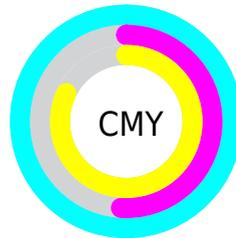
- Red (0%)
- Green (49%)
- Blue (18%)



- Red (0%)
- Yellow (36%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (51%)



- Cyan (100%)
- Magenta (51%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.8268, 14.8645, 5.0414 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 7.8268, 14.8645, 5.0414 by changing the saturation by 10% instead.

■ 7.8268, 14.8645,
5.0414

■ 7.8268, 14.8645,
5.0414

168.7666,
222.5446, 159.1793

■ 4.0352, 8.7243,
2.2124

■ 21.3069, 34.6153,
16.3481

■ 1.7221, 4.5618,
0.6815

■ 31.7261, 48.9947,
25.6628

■ 0.4700, 1.9925,
0.0000

■ 45.0852, 66.8894,
37.9766

■ 0.0000, 0.6031,
0.0000

■ 61.7495, 88.6836,
53.7079

■ 0.0000, 0.0000,
0.0000

■ 82.0845, 114.7619,
73.2753

■ 106.4554,

145.5085, 97.0973

135.2276,
181.3080, 125.5925

■ 7.8268, 14.8645,
5.0414

■ 7.8268, 14.8645,
5.0414

■ 7.8270, 14.8650,
5.0414

■ 8.1563, 15.0151,
5.9464

■ 8.5991, 15.2202,
7.0137

■ 9.2113, 15.5090,
8.2534

■ 10.0106, 15.8905,
9.6730

■ 11.0122, 16.3723,
11.2795

■ 12.2299, 16.9614,
13.0794

■ 13.6759, 17.6641,
15.0791

■ 15.3616, 18.4861,
17.2845

■ 17.2979, 19.4328,
19.7014

Harmonies

Analogous

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



10.6348, 14.8645, 1.9947



7.8268, 14.8645, 5.0414



6.7255, 14.8645, 13.6331

Triad

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



7.8268, 14.8645, 5.0414



13.2066, 14.8645, 60.0347



24.4712, 14.8645, 7.5092

Complementary

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



7.8268, 14.8645, 5.0414



9.8693, 4.9249, 7.8286

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.



25.6037, 14.8645, 19.0369



7.8268, 14.8645, 5.0414



18.3136, 14.8645, 54.8818

Square

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



7.8268, 14.8645, 5.0414



9.3404, 14.8645, 49.0123



23.1369, 14.8645, 37.4052



20.3235, 14.8645, 2.7405

Rectangle

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



7.8268, 14.8645, 5.0414



6.8716, 14.8645, 23.6759



23.1369, 14.8645, 37.4052



25.2517, 14.8645, 10.4685

Sweetspot

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



7.8272, 14.8651, 5.0417



24.2859, 31.5320, 26.7282



10.5726, 16.3374, 2.5964



5.3131, 7.0697, 5.7922



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.



7.8272, 14.8651, 5.0417



13.9498, 26.5923, 8.6802



10.0587, 15.7577, 16.7927



4.3364, 4.8429, 4.9426



8.1655, 15.5128, 5.2445



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.8693, 4.9249, 7.8286



17.6007, 8.7898, 13.6391



8.5565, 4.3997, 0.9152



4.4331, 4.3864, 5.0852



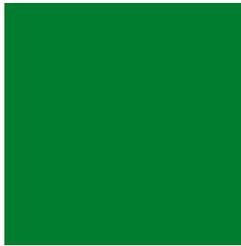
10.2966, 5.1383, 8.1518



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 7.8268, 14.8645, 5.0414 looks on a white background.

Color Contrast Check

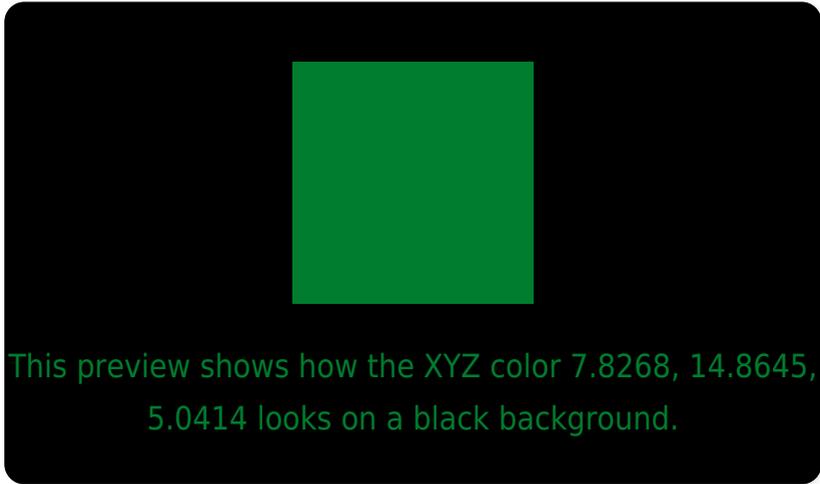
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.8268, 14.8645, 5.0414

Background



This preview shows how black text looks on a background with the XYZ color 7.8268, 14.8645, 5.0414.



This preview shows how white text looks on a background with the XYZ color 7.8268, 14.8645,

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

7.8268, 14.8645, 5.0414

Protanopia

13.4037, 14.6686, 4.2227

Deuteranopia

14.9097, 14.6653, 5.4130



Tritanopia

11.5074, 14.9330, 22.3545

Trichromacy



Original Color

7.8268, 14.8645, 5.0414

Protanomaly

9.4339, 13.7455, 4.4414

Deuteranomaly

9.8078, 13.2670, 5.0615

Tritanomaly

9.5167, 14.6219, 13.8760

Monochromacy



Original Color

7.8268, 14.8645, 5.0414

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

6.5114, 9.4491, 6.7909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.8268, 14.8645, 5.0414 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, 125, 46)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 46)  
}
```

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, 125, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 46) }
```

Border

The CSS property to change the border of an element to XYZ 7.8268, 14.8645, 5.0414 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, 125, 46) }
```

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

```
.border{ border-color:rgb(0, 125, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 125, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 46);  
box-shadow:4px 4px 4px 4px rgb(0, 125, 46)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.8268, 14.8645, 5.0414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 46) }
```

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

```
.background{ background-color: rgb(0, 125,  
46) }
```

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