

Converting Colors

XYZ(7.5572, 14.7465, 3.6530)

Have a look what the booklet for
XYZ(7.5572, 14.7465, 3.6530)
contains.

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Color

**XYZ(7.5680, 14.7610,
3.6786)**

Conversions

Conversions Part 1

Format	Color
Hex	007D1E
RGB	0, 125, 30
RGB Percent	0%, 49%, 12%
CMY	1.0000, 0.5098, 0.8823
CMYK	1.00, 0.00, 0.76, 0.51
HSL	134°, 100%, 25%
HSV	134°, 100%, 49%
XYZ	7.5680, 14.7610, 3.6786
YIQ	76.7950, -44.0050, -56.0450

Conversions

Conversions Part 2

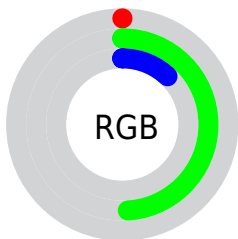
Format	Color
RYB	0, 101, 125
Decimal	32030
CIELab	45.31, -49.14, 41.04
CIELCh	45, 64.026, 140.131
Yxy	14.7610, 0.2910, 0.5676
Android (android.graphics.Color)	4278222110 (0xFF007D1E)
YUV	76.7950, -23.0699, -67.3492
Hunter-Lab	38.4200, -32.0741, 21.2172

Details

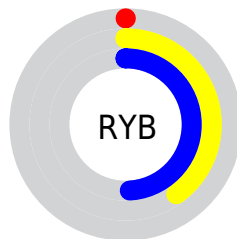
The XYZ color **7.5680, 14.7610, 3.6786** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **10.5235, 5.1865, 11.2734**, and the grayscale version is **7.0638, 7.4317, 8.0931**.

A 20% lighter version of the original color is **20.8298, 34.4965, 13.3452**, and **2.4488, 4.8976, 0.8163** is the 20% darker color. If you saturate the color by 10%, you get **7.5683, 14.7616, 3.6788**, and if you desaturate by 10%, it is **7.8673, 14.8995, 4.4248**.

Distribution



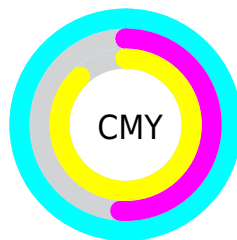
- Red (0%)
- Green (49%)
- Blue (12%)



- Red (0%)
- Yellow (40%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (76%)
- Black (51%)





- Cyan (100%)
- Magenta (51%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 7.5680, 14.7610, 3.6786 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 7.5680, 14.7610, 3.6786 by changing the saturation by 10% instead.


 7.5680, 14.7610,
3.6786


 7.5680, 14.7610,
3.6786


166.7472,
221.9150, 144.5831


 3.8693, 8.6518,
1.4507


 20.8007, 34.4334,
13.2615


 1.6284, 4.5148,
0.1808

 31.0654, 48.7653,
21.4535


 0.4108, 1.9655,
0.0000

 44.2494, 66.6070,
32.4708

 0.0000, 0.5873,
0.0000


 60.7181, 88.3428,
46.7317


 0.0000, 0.0000,
0.0000


 80.8369, 114.3571,
64.6548


 104.9711,


145.0343, 86.6588


 133.4861,
180.7588, 113.1620


 7.5680, 14.7610,
3.6786


 7.5680, 14.7610,
3.6786


 7.5683, 14.7616,
3.6788

 7.8673, 14.8995,
4.4248

 8.2894, 15.0963,
5.3832

 8.8917, 15.3812,
6.5708

 9.6930, 15.7635,
8.0013

 10.7097, 16.2513,
9.6873

■ 11.9564, 16.8521,
11.6404

■ 13.4463, 17.5723,
13.8716

■ 15.1918, 18.4182,
16.3913

■ 17.2042, 19.3953,
19.2093

Harmonies

Analogous

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



10.8046, 14.7610, 1.2891



7.5680, 14.7610, 3.6786



6.1901, 14.7610, 11.5680

Triad

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



7.5680, 14.7610, 3.6786



12.3535, 14.7610, 65.4353



25.9486, 14.7610, 7.9701

Complementary

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



7.5680, 14.7610, 3.6786



10.5235, 5.1865, 11.2734

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.



26.6665, 14.7610, 21.6160



7.5680, 14.7610, 3.6786



17.8406, 14.7610, 62.0481

Square

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



7.5680, 14.7610, 3.6786



8.4553, 14.7610, 50.5259



23.4030, 14.7610, 43.0061



21.6353, 14.7610, 2.4623

Rectangle

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



7.5680, 14.7610, 3.6786



6.1948, 14.7610, 21.7765



23.4030, 14.7610, 43.0061



26.6541, 14.7610, 11.4627

Sweetspot

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



7.5683, 14.7616, 3.6789



23.8687, 31.3651, 24.5316



12.1406, 17.1457, 2.6697



5.2115, 7.0291, 5.2572



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.



7.5683, 14.7616, 3.6789



13.5017, 26.4131, 6.3208



9.2513, 15.4348, 12.5412



4.3151, 4.8344, 4.8305



7.8962, 15.4051, 3.8262



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.5235, 5.1865, 11.2734



18.7853, 9.2637, 19.8771



8.7371, 4.4719, 1.8663



4.4554, 4.3953, 5.2027



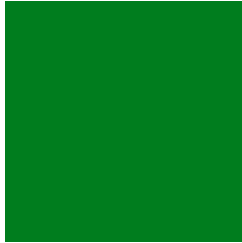
10.9800, 5.4117, 11.7505



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 7.5680, 14.7610, 3.6786 looks on a white background.

Color Contrast Check

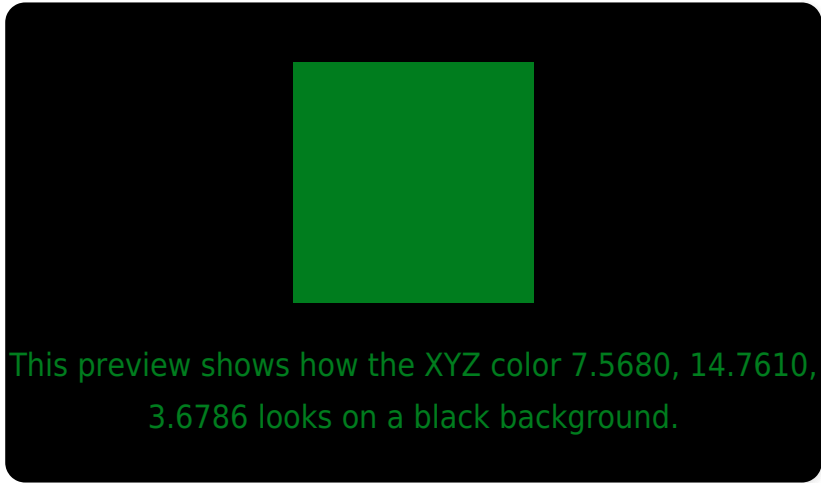
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.5680, 14.7610, 3.6786

Background



This preview shows how black text looks on a background with the XYZ color 7.5680, 14.7610, 3.6786.



This preview shows how white text looks on a background with the XYZ color 7.5680, 14.7610,

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

7.5680, 14.7610, 3.6786

Protanopia

13.1789, 14.5786, 3.0391

Deuteranopia

14.8072, 14.6425, 4.0533



Tritanopia

11.5434, 14.9590, 22.0176

Trichromacy



Original Color

7.5680, 14.7610, 3.6786



Protanomaly

9.1956, 13.6503, 3.1870



Deuteranomaly

9.6407, 13.2105, 3.7108



Tritanomaly

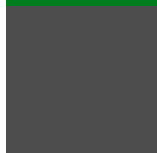
9.2320, 14.5116, 12.2120

Monochromacy



Original Color

7.5680, 14.7610, 3.6786



Achromatopsia

7.0540, 7.4214, 8.0819



Achromatomaly

6.0849, 8.9846, 5.6885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.5680, 14.7610, 3.6786 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, 30)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 30)  
}
```

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, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 30) }
```

Border

The CSS property to change the border of an element to XYZ 7.5680, 14.7610, 3.6786 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, 30) }
```


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

```
.border{ border-color:rgb(0, 125, 30) }
```

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, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 30);  
box-shadow:4px 4px 4px 4px rgb(0, 125, 30)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.5680, 14.7610, 3.6786 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, 30) }
```

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

```
.background{ background-color: rgb(0, 125,  
30) }
```

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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