

Converting Colors

XYZ(2.9184, 11.4021, 7.0343)

Have a look what the booklet for
XYZ(2.9184, 11.4021, 7.0343)
contains.

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Color

**XYZ(7.6706, 13.8146,
7.2632)**

Conversions

Conversions Part 1

Format	Color
Hex	007841
RGB	0, 120, 65
RGB Percent	0%, 47%, 25%
CMY	1.0000, 0.5294, 0.7451
CMYK	1.00, 0.00, 0.46, 0.53
HSL	152°, 100%, 24%
HSV	152°, 100%, 47%
XYZ	7.6706, 13.8146, 7.2632
YIQ	77.8500, -53.8650, -42.5450

Conversions

Conversions Part 2

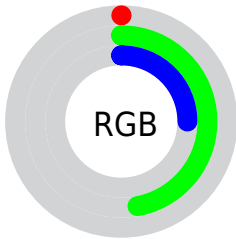
Format	Color
RYB	0, 78, 120
Decimal	30785
CIELab	43.97, -42.40, 22.28
CIELCh	44, 47.897, 152.283
Yxy	13.8146, 0.2668, 0.4805
Android (android.graphics.Color)	4278220865 (0xFF007841)
YUV	77.8500, -6.3350, -68.2745
Hunter-Lab	37.1680, -28.2058, 14.4314

Details

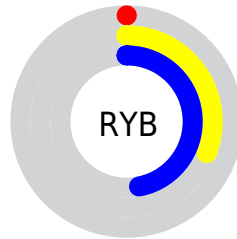
The XYZ color **7.6706, 13.8146, 7.2632** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **8.4358, 4.2692, 3.9944**, and the grayscale version is **7.2325, 7.6091, 8.2863**.

A 20% lighter version of the original color is **20.9613, 32.6385, 21.1147**, and **2.3164, 4.4308, 1.3950** is the 20% darker color. If you saturate the color by 10%, you get **7.6709, 13.8151, 7.2633**, and if you desaturate by 10%, it is **7.9898, 13.9602, 8.1512**.

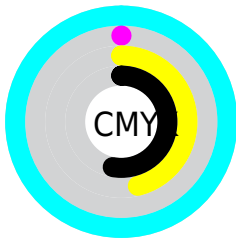
Distribution



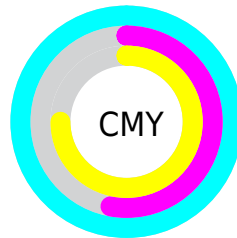
- Red (0%)
- Green (47%)
- Blue (25%)



- Red (0%)
- Yellow (31%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (53%)





- Cyan (100%)
- Magenta (53%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 7.6706, 13.8146, 7.2632 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 7.6706, 13.8146, 7.2632 by changing the saturation by 10% instead.


 7.6706, 13.8146,
7.2632


 7.6706, 13.8146,
7.2632


167.5513,
216.0744, 179.5462


 3.9349, 7.9918,
3.5463


 21.0018, 32.7597,
21.0226


 1.6654, 4.0897,
1.3799

 31.3280, 46.6508,
31.9022


 0.4345, 1.7239,
0.1260

 44.5817, 64.0002,
46.0064

 0.0000, 0.4390,
0.0000


 61.1284, 85.1922,
63.7538


 0.0000, 0.0000,
0.0000


 81.3333, 110.6112,
85.5630


 105.5619,


140.6416, 111.8524


 134.1794,
175.6679, 143.0406


 7.6706, 13.8146,
7.2632


 7.6706, 13.8146,
7.2632


 7.6709, 13.8151,
7.2633

 7.9898, 13.9602,
8.1512

 8.3981, 14.1495,
9.1263

 8.9485, 14.4103,
10.1935

 9.6563, 14.7501,
11.3554

 10.5343, 15.1758,
12.6148

■ 11.5943, 15.6933,
13.9740

■ 12.8469, 16.3079,
15.4354

■ 14.3017, 17.0248,
17.0013

■ 15.9678, 17.8484,
18.6738

Harmonies

Analogous

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



9.6049, 13.8146, 3.3865



7.6706, 13.8146, 7.2632



7.1039, 13.8146, 15.8898

Triad

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



7.6706, 13.8146, 7.2632



13.4232, 13.8146, 47.0912



20.3187, 13.8146, 6.4113

Complementary

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



7.6706, 13.8146, 7.2632



8.4358, 4.2692, 3.9944

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.



21.8578, 13.8146, 14.2244



7.6706, 13.8146, 7.2632



17.4275, 13.8146, 40.5409

Square

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



7.6706, 13.8146, 7.2632



10.0195, 13.8146, 42.1749



20.7101, 13.8146, 27.0104



16.8264, 13.8146, 3.0876

Rectangle

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



7.6706, 13.8146, 7.2632



7.4680, 13.8146, 24.4423



20.7101, 13.8146, 27.0104



21.1090, 13.8146, 8.4260

Sweetspot

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



7.6710, 13.8152, 7.2635



22.4200, 28.5958, 26.9512



8.3478, 14.2743, 2.3153



5.1279, 6.6859, 6.1755



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



7.6710, 13.8152, 7.2635



13.4233, 24.2703, 12.4170



9.6360, 13.8474, 19.9349



4.0332, 4.4829, 4.7086



8.3609, 15.0680, 7.8855



39.4487, 71.7025, 35.3302

Inverse Universe

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



8.4358, 4.2692, 3.9944



14.7702, 7.4818, 6.6768



7.7895, 4.0801, 0.3771



4.0676, 4.0428, 4.5536



9.1954, 4.6543, 4.3201



43.4436, 22.0338, 18.3977

Previews

White Background



This preview shows how the XYZ color 7.6706, 13.8146, 7.2632 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



This preview shows how the XYZ color 7.6706, 13.8146, 7.2632 looks on a 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 7.6706, 13.8146, 7.2632

Background



This preview shows how black text looks on a background with the XYZ color 7.6706, 13.8146, 7.2632.



This preview shows how white text looks on a background with the XYZ color 7.6706, 13.8146,

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

7.6706, 13.8146, 7.2632

Protanopia

12.6792, 13.7938, 6.1319

Deuteranopia

13.8795, 13.6510, 7.6977



Tritanopia

10.5625, 13.7982, 20.8455

Trichromacy



Original Color

7.6706, 13.8146, 7.2632



Protanomaly

9.1659, 12.9053, 6.4227



Deuteranomaly

9.5255, 12.5950, 7.3979



Tritanomaly

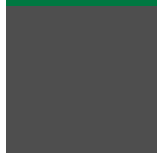
9.1504, 13.7113, 14.7346

Monochromacy



Original Color

7.6706, 13.8146, 7.2632



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

6.4323, 8.9879, 7.6991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.6706, 13.8146, 7.2632 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, 120, 65)` looks like.

```
.text, #text, p{  
    color:rgb(0, 120, 65)  
}
```

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, 120, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 120, 65) }
```

Border

The CSS property to change the border of an element to XYZ 7.6706, 13.8146, 7.2632 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, 120, 65) }
```


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

```
.border{ border-color:rgb(0, 120, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 120, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 120, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 120, 65);  
box-shadow:4px 4px 4px 4px rgb(0, 120, 65)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.6706, 13.8146, 7.2632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 120, 65) }
```

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

```
.background{ background-color: rgb(0, 120,  
65) }
```

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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