

Converting Colors

XYZ(7.7100, 14.5417, 10.2906)

Have a look what the booklet for
XYZ(7.7100, 14.5417, 10.2906)
contains.

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Color

**XYZ(8.7306, 15.0245,
10.4225)**

Conversions

Conversions Part 1

Format	Color
Hex	007C52
RGB	0, 124, 82
RGB Percent	0%, 49%, 32%
CMY	1.0000, 0.5137, 0.6784
CMYK	1.00, 0.00, 0.34, 0.51
HSL	160°, 100%, 24%
HSV	160°, 100%, 49%
XYZ	8.7306, 15.0245, 10.4225
YIQ	82.1360, -60.4220, -39.3500

Conversions

Conversions Part 2

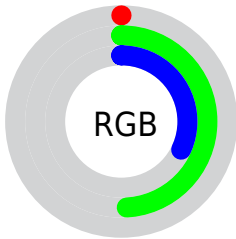
Format	Color
RYB	0, 75, 124
Decimal	31826
CIELab	45.67, -40.21, 14.84
CIELCh	46, 42.859, 159.749
Yxy	15.0245, 0.2554, 0.4396
Android (android.graphics.Color)	4278221906 (0xFF007C52)
YUV	82.1360, -0.0670, -72.0333
Hunter-Lab	38.7614, -27.6273, 11.1906

Details

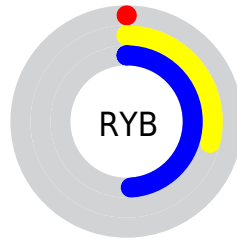
The XYZ color **8.7306, 15.0245, 10.4225** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **8.7305, 4.4525, 2.5900**, and the grayscale version is **8.0565, 8.4761, 9.2304**.

A 20% lighter version of the original color is **23.1458, 35.0845, 27.3819**, and **2.7827, 5.0311, 2.5747** is the 20% darker color. If you saturate the color by 10%, you get **8.7309, 15.0251, 10.4227**, and if you desaturate by 10%, it is **9.0531, 15.1721, 11.2981**.

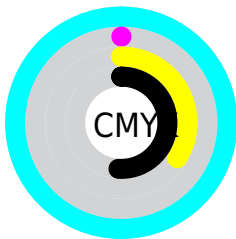
Distribution



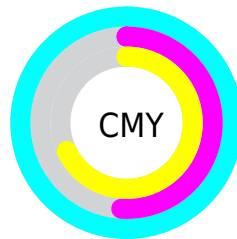
- Red (0%)
- Green (49%)
- Blue (32%)



- Red (0%)
- Yellow (29%)
- Blue (49%)



- Cyan (100%)
- Magenta (0%)
- Yellow (34%)
- Black (51%)



- Cyan (100%)
- Magenta (51%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.7306, 15.0245, 10.4225 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 8.7306, 15.0245, 10.4225 by changing the saturation by 10% instead.

■ 8.7306, 15.0245,
10.4225

■ 8.7306, 15.0245,
10.4225

175.6052,
223.5145, 204.2546

■ 4.6216, 8.8366,
5.5707

■ 23.0507, 34.8962,
27.2073

■ 2.0594, 4.6347,
2.5213

■ 33.9925, 49.3487,
39.9775

■ 0.6670, 2.0346,
0.8514

■ 47.9426, 67.3249,
56.2242

■ 0.0000, 0.6275,
0.0000

■ 65.2664, 89.2091,
76.3660

■ 0.0000, 0.0000,
0.0000

■ 86.3292, 115.3858,
100.8213

■ 111.4964,

146.2393, 130.0089

141.1332,
182.1541, 164.3472

■ 8.7306, 15.0245,
10.4225

■ 8.7306, 15.0245,
10.4225

■ 8.7309, 15.0251,
10.4227

■ 9.0531, 15.1721,
11.2981

■ 9.4666, 15.3651,
12.2295

■ 10.0257, 15.6319,
13.2207

■ 10.7465, 15.9810,
14.2730

■ 11.6430, 16.4194,
15.3881

■ 12.7276, 16.9536,
16.5673

■ 14.0116, 17.5892,
17.8119

■ 15.5051, 18.3317,
19.1232

■ 17.2180, 19.1860,
20.5024

Harmonies

Analogous

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



10.3032, 15.0245, 5.3759



8.7306, 15.0245, 10.4225



8.4970, 15.0245, 19.9428

Triad

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



8.7306, 15.0245, 10.4225



15.4822, 15.0245, 44.6280



20.2769, 15.0245, 6.6898

Complementary

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



8.7306, 15.0245, 10.4225



8.7305, 4.4525, 2.5900

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.



22.2274, 15.0245, 13.2327



8.7306, 15.0245, 10.4225



19.1683, 15.0245, 36.7704

Square

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



8.7306, 15.0245, 10.4225



12.0203, 15.0245, 42.8231



21.7908, 15.0245, 24.2066



16.8073, 15.0245, 3.9333

Rectangle

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



8.7306, 15.0245, 10.4225



9.0834, 15.0245, 28.2697



21.7908, 15.0245, 24.2066



21.1564, 15.0245, 8.3754

Sweetspot

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



8.7310, 15.0251, 10.4228



24.4829, 30.8658, 31.1835



8.2211, 14.9382, 2.4501



5.5733, 7.1738, 7.1621



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.



8.7310, 15.0251, 10.4228



15.2976, 26.4131, 17.9918



8.7309, 11.6406, 20.8562



4.0521, 4.4905, 4.8081



8.8743, 15.2734, 10.5887



41.9215, 72.6916, 48.3519

Inverse Universe

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



8.7305, 4.4525, 2.5900



15.3031, 7.8110, 4.2425



8.5387, 4.7376, 0.4645



4.0491, 4.0354, 4.4564



8.8739, 4.5257, 2.6267



41.9681, 21.4436, 10.6278

Previews

White Background



This preview shows how the XYZ color 8.7306, 15.0245, 10.4225 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 8.7306, 15.0245, 10.4225 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 8.7306, 15.0245, 10.4225

Background



This preview shows how black text looks on a background with the XYZ color 8.7306, 15.0245, 10.4225.



This preview shows how white text looks on a background with the XYZ color 8.7306, 15.0245,

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

8.7306, 15.0245, 10.4225

Protanopia

13.8350, 14.9461, 8.8123

Deuteranopia

15.1281, 14.9487, 11.1049



Tritanopia

11.3710, 15.0290, 22.7236

Trichromacy



Original Color

8.7306, 15.0245, 10.4225

Protanomaly

10.2165, 14.0405, 9.3794

Deuteranomaly

10.6324, 13.7302, 10.6841

Tritanomaly

10.0377, 14.8137, 17.3692

Monochromacy



Original Color

8.7306, 15.0245, 10.4225

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

7.2139, 9.8886, 9.5111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.7306, 15.0245, 10.4225 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, 124, 82)` looks like.

```
.text, #text, p{  
    color:rgb(0, 124, 82)  
}
```

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, 124, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 124, 82) }
```

Border

The CSS property to change the border of an element to XYZ 8.7306, 15.0245, 10.4225 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, 124, 82) }
```


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

```
.border{ border-color:rgb(0, 124, 82) }
```

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

Here you see how a box with a 4 pixel rgb(0, 124, 82) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 124, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 124, 82);  
box-shadow:4px 4px 4px 4px rgb(0, 124, 82)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.7306, 15.0245, 10.4225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 124, 82) }
```

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

```
.background{ background-color: rgb(0, 124,  
82) }
```

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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