

Converting Colors

XYZ(7.7084, 12.8469, 10.4916)

Have a look what the booklet for
XYZ(7.7084, 12.8469, 10.4916)
contains.

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Color

**XYZ(7.7310, 12.9016,
10.4703)**

Conversions

Conversions Part 1

Format	Color
Hex	007354
RGB	0, 115, 84
RGB Percent	0%, 45%, 33%
CMY	1.0000, 0.5490, 0.6706
CMYK	1.00, 0.00, 0.27, 0.55
HSL	164°, 100%, 23%
HSV	164°, 100%, 45%
XYZ	7.7310, 12.9016, 10.4703
YIQ	77.0810, -58.5890, -34.0210

Conversions

Conversions Part 2

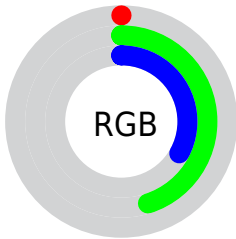
Format	Color
RYB	0, 66, 115
Decimal	29524
CIELab	42.61, -36.01, 9.43
CIELCh	43, 37.225, 165.324
Yxy	12.9016, 0.2486, 0.4148
Android (android.graphics.Color)	4278219604 (0xFF007354)
YUV	77.0810, 3.4111, -67.6000
Hunter-Lab	35.9188, -24.4384, 7.8602

Details

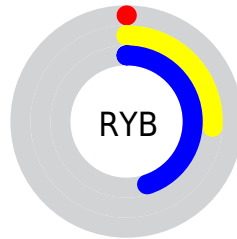
The XYZ color **7.7310, 12.9016, 10.4703** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **7.3180, 3.7441, 1.6339**, and the grayscale version is **7.0715, 7.4397, 8.1019**.

A 20% lighter version of the original color is **21.2074, 31.2223, 27.4630**, and **2.3144, 4.0429, 2.5778** is the 20% darker color. If you saturate the color by 10%, you get **7.7312, 12.9020, 10.4701**, and if you desaturate by 10%, it is **8.0003, 13.0264, 11.1313**.

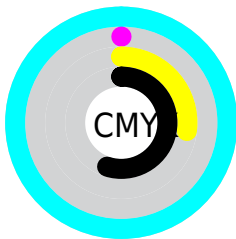
Distribution



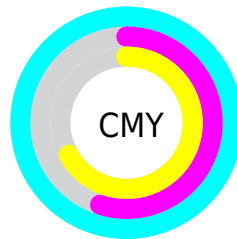
- Red (0%)
- Green (45%)
- Blue (33%)



- Red (0%)
- Yellow (26%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (55%)



- Cyan (100%)
- Magenta (55%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.7310, 12.9016, 10.4703 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 7.7310, 12.9016, 10.4703 by changing the saturation by 10% instead.

■ 7.7310, 12.9016,
10.4703

■ 7.7310, 12.9016,
10.4703

168.0224,
210.2861, 204.6018

■ 3.9737, 7.3608,
5.6022

■ 21.1199, 31.1269,
27.2979

■ 1.6872, 3.6888,
2.5399

■ 31.4821, 44.5802,
40.0946

■ 0.4483, 1.5010,
0.8612

■ 44.7767, 61.4398,
56.3711

■ 0.0000, 0.2895,
0.0000


■ 61.3691, 82.0901,
76.5461


■ 0.0000, 0.0000,
0.0000


■ 81.6244, 106.9155,
101.0382


■ 105.9082,


136.3003, 130.2658


 134.5858,
170.6291, 164.6475


 7.7310, 12.9016,
10.4703


 7.7310, 12.9016,
10.4703


 7.7312, 12.9020,
10.4701

 8.0003, 13.0264,
11.1313

 8.3386, 13.1858,
11.8236

 8.7967, 13.4064,
12.5503

 9.3880, 13.6950,
13.3123

 10.1237, 14.0573,
14.1105

■ 11.0142, 14.4988,
14.9458

■ 12.0685, 15.0241,
15.8188

■ 13.2953, 15.6377,
16.7303

■ 14.7025, 16.3435,
17.6809

Harmonies

Analogous

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



8.7980, 12.9016, 5.7159



7.7310, 12.9016, 10.4703



7.7427, 12.9016, 18.5623

Triad

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



7.7310, 12.9016, 10.4703



13.7515, 12.9016, 34.9675



16.4820, 12.9016, 5.6481

Complementary

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



7.7310, 12.9016, 10.4703



7.3180, 3.7441, 1.6339

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.



18.2682, 12.9016, 10.3317



7.7310, 12.9016, 10.4703



16.5348, 12.9016, 28.0328

Square

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



7.7310, 12.9016, 10.4703



10.9399, 12.9016, 35.0510



18.2889, 12.9016, 18.3591



13.6878, 12.9016, 3.7462

Rectangle

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



7.7310, 12.9016, 10.4703



8.3505, 12.9016, 25.0704



18.2889, 12.9016, 18.3591



17.2379, 12.9016, 6.8480

Sweetspot

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



7.7313, 12.9021, 10.4706



21.4490, 26.8221, 28.1987



6.7452, 12.5786, 2.0726



4.9602, 6.3206, 6.6011



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



7.7313, 12.9021, 10.4706



13.7868, 23.0800, 18.4489



6.7582, 8.5649, 17.5173



3.7432, 4.1392, 4.4816



8.8289, 14.7456, 11.9209



42.6529, 71.7084, 56.1367

Inverse Universe

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



7.3180, 3.7441, 1.6339



13.0532, 6.6838, 2.6599



7.4165, 4.3370, 0.4465



3.7208, 3.7156, 4.0564



8.3573, 4.2766, 1.8237



40.4128, 20.7152, 7.2370

Previews

White Background



This preview shows how the XYZ color 7.7310, 12.9016, 10.4703 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 7.7310, 12.9016, 10.4703 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 7.7310, 12.9016, 10.4703

Background



This preview shows how black text looks on a background with the XYZ color 7.7310, 12.9016, 10.4703.



This preview shows how white text looks on a background with the XYZ color 7.7310, 12.9016,

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

7.7310, 12.9016, 10.4703

Protanopia

11.9601, 12.7760, 8.8568

Deuteranopia

13.1064, 12.8988, 11.0315



Tritanopia

9.7050, 12.8958, 19.4304

Trichromacy



Original Color

7.7310, 12.9016, 10.4703

Protanomaly

8.8834, 11.9113, 9.4203

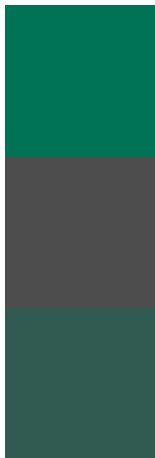
Deuteranomaly

9.4183, 12.0052, 10.8377

Tritanomaly

8.7724, 12.8231, 15.6484

Monochromacy



Original Color

7.7310, 12.9016, 10.4703

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

6.4557, 8.7143, 8.9312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.7310, 12.9016, 10.4703 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, 115, 84)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 84)  
}
```

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, 115, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 84) }
```

Border

The CSS property to change the border of an element to XYZ 7.7310, 12.9016, 10.4703 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, 115, 84) }
```


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

```
.border{ border-color:rgb(0, 115, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 115, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 84);  
box-shadow:4px 4px 4px 4px rgb(0, 115, 84)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.7310, 12.9016, 10.4703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 115, 84) }
```

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

```
.background{ background-color: rgb(0, 115,  
84) }
```

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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