

Converting Colors

XYZ(4.8251, 11.6911, 10.1555)

Have a look what the booklet for
XYZ(4.8251, 11.6911, 10.1555)
contains.

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Color

**XYZ(7.9226, 13.3471,
10.3423)**

Conversions

Conversions Part 1

Format	Color
Hex	007553
RGB	0, 117, 83
RGB Percent	0%, 46%, 33%
CMY	1.0000, 0.5412, 0.6745
CMYK	1.00, 0.00, 0.29, 0.54
HSL	163°, 100%, 23%
HSV	163°, 100%, 46%
XYZ	7.9226, 13.3471, 10.3423
YIQ	78.1410, -58.8180, -35.3780

Conversions

Conversions Part 2

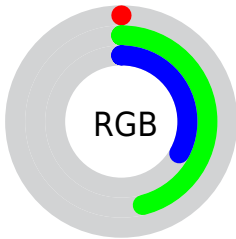
Format	Color
RYB	0, 68, 117
Decimal	30035
CIELab	43.28, -37.11, 10.96
CIELCh	43, 38.694, 163.552
Yxy	13.3471, 0.2506, 0.4222
Android (android.graphics.Color)	4278220115 (0xFF007553)
YUV	78.1410, 2.3955, -68.5297
Hunter-Lab	36.5337, -25.2249, 8.7892

Details

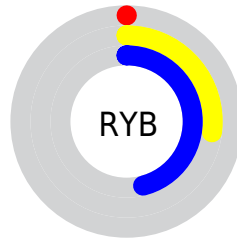
The XYZ color **7.9226, 13.3471, 10.3423** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **7.6253, 3.8977, 1.8642**, and the grayscale version is **7.2722, 7.6509, 8.3318**.

A 20% lighter version of the original color is **21.5100, 31.9388, 27.2214**, and **2.3570, 4.1543, 2.5113** is the 20% darker color. If you saturate the color by 10%, you get **7.9228, 13.3476, 10.3423**, and if you desaturate by 10%, it is **8.2050, 13.4775, 11.0581**.

Distribution



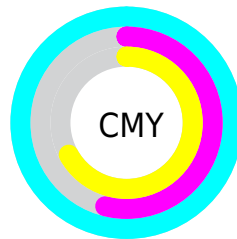
- Red (0%)
- Green (46%)
- Blue (33%)



- Red (0%)
- Yellow (27%)
- Blue (46%)



- Cyan (100%)
- Magenta (0%)
- Yellow (29%)
- Black (54%)





- Cyan (100%)
- Magenta (54%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 7.9226, 13.3471, 10.3423 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 7.9226, 13.3471, 10.3423 by changing the saturation by 10% instead.


 7.9226, 13.3471,
10.3423


 7.9226, 13.3471,
10.3423


169.5068,
213.1304, 203.6707


 4.0968, 7.6680,
5.5179


 21.4934, 31.9260,
27.0552

 1.7571, 3.8832,
2.4902

 31.9692, 45.5945,
39.7808


 0.4916, 1.6085,
0.8350

 45.3924, 62.6950,
55.9772

 0.0000, 0.3633,
0.0000


 62.1284, 83.6118,
76.0630


 0.0000, 0.0000,
0.0000


 82.5424, 108.7294,
100.4567


 107.0000,


138.4321, 129.5769


 135.8663,
173.1043, 163.8421


 7.9226, 13.3471,
10.3423


 7.9226, 13.3471,
10.3423


 7.9228, 13.3476,
10.3423

 8.2050, 13.4775,
11.0581

 8.5612, 13.6448,
11.8111

 9.0430, 13.8761,
12.6046

 9.6640, 14.1784,
13.4396

 10.4364, 14.5580,
14.3171

■ 11.3706, 15.0202,
15.2380

■ 12.4765, 15.5701,
16.2033

■ 13.7629, 16.2122,
17.2137

■ 15.2380, 16.9508,
18.2701

Harmonies

Analogous

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



9.1151, 13.3471, 5.5524



7.9226, 13.3471, 10.3423



7.8676, 13.3471, 18.7535

Triad

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



7.9226, 13.3471, 10.3423



14.0849, 13.3471, 37.2084



17.3381, 13.3471, 5.8689

Complementary

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



7.9226, 13.3471, 10.3423



7.6253, 3.8977, 1.8642

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.



19.1540, 13.3471, 10.9981



7.9226, 13.3471, 10.3423



17.0856, 13.3471, 30.0773

Square

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



7.9226, 13.3471, 10.3423



11.1231, 13.3471, 36.8057



19.0549, 13.3471, 19.7251



14.3888, 13.3471, 3.7549

Rectangle

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



7.9226, 13.3471, 10.3423



8.4637, 13.3471, 25.6968



19.0549, 13.3471, 19.7251



18.1206, 13.3471, 7.1860

Sweetspot

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



7.9230, 13.3476, 10.3426



22.1753, 27.7979, 28.8768



7.0582, 13.0822, 2.1532



4.9423, 6.3135, 6.5068



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.



7.9230, 13.3476, 10.3426



14.1266, 23.8766, 18.2016



7.1785, 9.2193, 18.2314



3.7401, 4.1380, 4.4654



8.7221, 14.7028, 11.3585



42.1179, 71.4944, 53.3193

Inverse Universe

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



7.6253, 3.8977, 1.8642



13.6003, 6.9577, 3.0550



7.6509, 4.4110, 0.4483



3.7237, 3.7168, 4.0717



8.3947, 4.2916, 2.0208



40.5787, 20.7816, 8.1107

Previews

White Background



This preview shows how the XYZ color 7.9226, 13.3471, 10.3423 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 7.9226, 13.3471, 10.3423 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 7.9226, 13.3471, 10.3423

Background



This preview shows how black text looks on a background with the XYZ color 7.9226, 13.3471, 10.3423.



This preview shows how white text looks on a background with the XYZ color 7.9226, 13.3471, 10.3423.

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

7.9226, 13.3471, 10.3423

Protanopia

12.3626, 13.2758, 8.7484

Deuteranopia

13.4241, 13.2054, 10.8582



Tritanopia

10.0821, 13.4002, 20.1443

Trichromacy



Original Color

7.9226, 13.3471, 10.3423

Protanomaly

9.1232, 12.3451, 9.2991

Deuteranomaly

9.5553, 12.2309, 10.6613

Tritanomaly

9.0721, 13.3028, 15.9995

Monochromacy



Original Color

7.9226, 13.3471, 10.3423

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

6.5905, 8.9116, 8.9622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.9226, 13.3471, 10.3423 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, 117, 83)` looks like.

```
.text, #text, p{  
    color:rgb(0, 117, 83)  
}
```

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, 117, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 117, 83) }
```

Border

The CSS property to change the border of an element to XYZ 7.9226, 13.3471, 10.3423 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, 117, 83) }
```


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

```
.border{ border-color:rgb(0, 117, 83) }
```

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

Here you see how a box with a 4 pixel rgb(0, 117, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 117, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 117, 83);  
box-shadow:4px 4px 4px 4px rgb(0, 117, 83)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.9226, 13.3471, 10.3423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 117, 83) }
```

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

```
.background{ background-color: rgb(0, 117,  
83) }
```

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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