

Converting Colors

XYZ(7.9310, 12.9360, 11.6642)

Have a look what the booklet for
XYZ(7.9310, 12.9360, 11.6642)
contains.

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Color

**XYZ(7.9762, 12.9997,
11.7617)**

Conversions

Conversions Part 1

Format	Color
Hex	00735A
RGB	0, 115, 90
RGB Percent	0%, 45%, 35%
CMY	1.0000, 0.5490, 0.6471
CMYK	1.00, 0.00, 0.22, 0.55
HSL	167°, 100%, 23%
HSV	167°, 100%, 45%
XYZ	7.9762, 12.9997, 11.7617
YIQ	77.7650, -60.5150, -32.1550

Conversions

Conversions Part 2

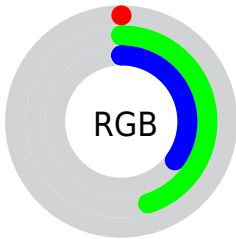
Format	Color
RYB	0, 65, 115
Decimal	29530
CIELab	42.76, -34.38, 6.06
CIELCh	43, 34.914, 169.996
Yxy	12.9997, 0.2436, 0.3971
Android (android.graphics.Color)	4278219610 (0xFF00735A)
YUV	77.7650, 6.0319, -68.1999
Hunter-Lab	36.0551, -23.6082, 5.8973

Details

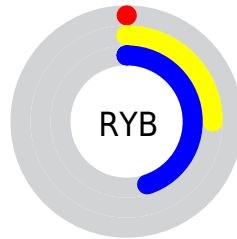
The XYZ color **7.9762, 12.9997, 11.7617** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **7.2461, 3.7153, 1.2553**, and the grayscale version is **7.1948, 7.5695, 8.2432**.

A 20% lighter version of the original color is **21.6379, 31.3946, 29.7303**, and **2.4028, 4.0783, 3.0434** is the 20% darker color. If you saturate the color by 10%, you get **7.9765, 13.0002, 11.7618**, and if you desaturate by 10%, it is **8.2295, 13.1181, 12.3388**.

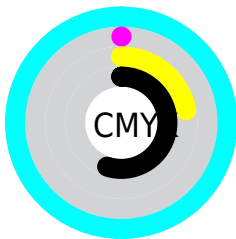
Distribution



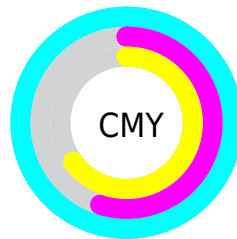
- Red (0%)
- Green (45%)
- Blue (35%)



- Red (0%)
- Yellow (25%)
- Blue (45%)



- Cyan (100%)
- Magenta (0%)
- Yellow (22%)
- Black (55%)





- Cyan (100%)
- Magenta (55%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 7.9762, 12.9997, 11.7617 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 7.9762, 12.9997, 11.7617 by changing the saturation by 10% instead.


 7.9762, 12.9997,
11.7617


 7.9762, 12.9997,
11.7617


169.9193,
210.9157, 213.7429

 4.1314, 7.4283,
6.4611


 21.5976, 31.3032,
29.7182


 1.7767, 3.7314,
3.0541

 32.1050, 44.8042,
43.2112


 0.5036, 1.5245,
1.1223

 45.5639, 61.7172,
60.2720

 0.0000, 0.3059,
0.0000

 62.3397, 82.4265,
81.3192

 0.0000, 0.0000,
0.0000

 82.7978, 107.3167,
106.7714

 107.3035,

136.7720, 137.0470

136.2222,
171.1769, 172.5646

7.9762, 12.9997,
11.7617

7.9762, 12.9997,
11.7617

7.9765, 13.0002,
11.7618

8.2295, 13.1181,
12.3388

8.5501, 13.2704,
12.9377

8.9886, 13.4832,
13.5611

9.5583, 13.7631,
14.2099

10.2706, 14.1161,
14.8847

■ 11.1356, 14.5474,
15.5863

■ 12.1626, 15.0617,
16.3151

■ 13.3599, 15.6635,
17.0719

■ 14.7356, 16.3567,
17.8570

Harmonies

Analogous

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



8.8407, 12.9997, 6.6778



7.9762, 12.9997, 11.7617



8.1495, 12.9997, 19.7713

Triad

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



7.9762, 12.9997, 11.7617



14.1867, 12.9997, 32.8389



15.9400, 12.9997, 5.6439

Complementary

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



7.9762, 12.9997, 11.7617



7.2461, 3.7153, 1.2553

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.



17.8060, 12.9997, 9.7170



7.9762, 12.9997, 11.7617



16.6975, 12.9997, 25.7987

Square

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



7.9762, 12.9997, 11.7617



11.4894, 12.9997, 34.0087



18.1015, 12.9997, 16.8515



13.2648, 12.9997, 4.0811

Rectangle

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



7.9762, 12.9997, 11.7617



8.8404, 12.9997, 25.7967



18.1015, 12.9997, 16.8515



16.6980, 12.9997, 6.6786

Sweetspot

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



7.9766, 13.0002, 11.7620



21.6218, 26.8913, 29.1090



6.5787, 12.4928, 2.0648



5.0055, 6.3387, 6.8392



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.



7.9766, 13.0002, 11.7620



14.2330, 23.2585, 20.7982



6.2912, 7.6309, 17.3616



3.7509, 4.1423, 4.5220



9.1104, 14.8582, 13.4034



44.0695, 72.2751, 63.5963

Inverse Universe

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



7.2461, 3.7153, 1.2553



12.9311, 6.6350, 2.0167



7.5520, 4.6079, 0.4915



3.7135, 3.7127, 4.0183



8.2762, 4.2442, 1.3964



40.0621, 20.5750, 5.3906

Previews

White Background



This preview shows how the XYZ color 7.9762, 12.9997, 11.7617 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 7.9762, 12.9997, 11.7617 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 7.9762, 12.9997, 11.7617

Background



This preview shows how black text looks on a background with the XYZ color 7.9762, 12.9997, 11.7617.



This preview shows how white text looks on a background with the XYZ color 7.9762, 12.9997,

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

7.9762, 12.9997, 11.7617

Protanopia

12.2784, 13.0577, 10.0569

Deuteranopia

13.1051, 12.8683, 12.3828



Tritanopia

9.7677, 13.0823, 19.7796

Trichromacy



Original Color

7.9762, 12.9997, 11.7617

Protanomaly

9.2176, 12.2089, 10.6748

Deuteranomaly

9.5986, 12.0687, 12.1795

Tritanomaly

8.8854, 12.8630, 16.4825

Monochromacy



Original Color

7.9762, 12.9997, 11.7617

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

6.5795, 8.7695, 9.3285

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.9762, 12.9997, 11.7617 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 90) }
```

Border

The CSS property to change the border of an element to XYZ 7.9762, 12.9997, 11.7617 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, 90) }
```


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

```
.border{ border-color:rgb(0, 115, 90) }
```

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, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 90);  
box-shadow:4px 4px 4px 4px rgb(0, 115, 90)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.9762, 12.9997, 11.7617 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, 90) }
```

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

```
.background{ background-color: rgb(0, 115,  
90) }
```

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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