

Converting Colors

XYZ(7.0164, 12.1126, 8.2588)

Have a look what the booklet for
XYZ(7.0164, 12.1126, 8.2588)
contains.

XYZ(6.9968, 12.0694, 8.2642)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(6.9968, 12.0694,
8.2642)**

Conversions

Conversions Part 1

Format	Color
Hex	007049
RGB	0, 112, 73
RGB Percent	0%, 44%, 29%
CMY	1.0000, 0.5608, 0.7137
CMYK	1.00, 0.00, 0.35, 0.56
HSL	159°, 100%, 22%
HSV	159°, 100%, 44%
XYZ	6.9968, 12.0694, 8.2642
YIQ	74.0660, -54.2330, -35.8730

Conversions

Conversions Part 2

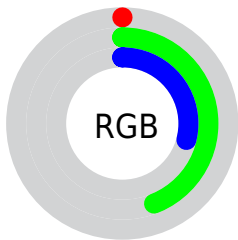
Format	Color
RYB	0, 68, 112
Decimal	28745
CIELab	41.33, -37.54, 14.16
CIELCh	41, 40.126, 159.337
Yxy	12.0694, 0.2560, 0.4416
Android (android.graphics.Color)	4278218825 (0xFF007049)
YUV	74.0660, -0.5255, -64.9559
Hunter-Lab	34.7410, -24.8472, 10.2148

Details

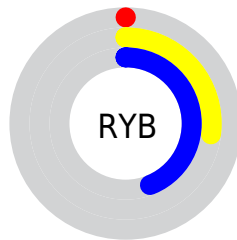
The XYZ color **6.9968, 12.0694, 8.2642** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **7.0488, 3.5916, 2.2419**, and the grayscale version is **6.5290, 6.8690, 7.4804**.

A 20% lighter version of the original color is **19.7156, 29.7319, 23.1121**, and **1.9993, 3.6437, 1.7603** is the 20% darker color. If you saturate the color by 10%, you get **6.9969, 12.0698, 8.2640**, and if you desaturate by 10%, it is **7.2712, 12.1958, 8.9738**.

Distribution



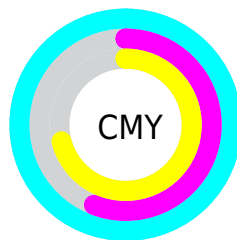
- Red (0%)
- Green (44%)
- Blue (29%)



- Red (0%)
- Yellow (27%)
- Blue (44%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (56%)





- Cyan (100%)
- Magenta (56%)
- Yellow (71%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 6.9968, 12.0694, 8.2642 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 6.9968, 12.0694, 8.2642 by changing the saturation by 10% instead.


 6.9968, 12.0694,
8.2642


 6.9968, 12.0694,
8.2642


162.1824,
204.8642, 187.8011


 3.5064, 6.7910,
4.1743


 19.6716, 29.6214,
23.0294


 1.4269, 3.3317,
1.7214

 29.5866, 42.6638,
34.5418


 0.2753, 1.3073,
0.3754

 42.3740, 59.0630,
49.3655

 0.0000, 0.1468,
0.0000


 58.3990, 79.2033,
67.9189


 0.0000, 0.0000,
0.0000


 78.0270, 103.4692,
90.6206


 101.6233,


132.2451, 117.8892


 129.5533,
165.9153, 150.1432


 6.9968, 12.0694,
8.2642

 6.9968, 12.0694,
8.2642


 6.9969, 12.0698,
8.2640

 7.2712, 12.1958,
8.9738

 7.6121, 12.3551,
9.7293

 8.0691, 12.5734,
10.5341

 8.6547, 12.8569,
11.3894

 9.3796, 13.2113,
12.2965

■ 10.2534, 13.6414,
13.2566

■ 11.2848, 14.1518,
14.2705

■ 12.4819, 14.7465,
15.3395

■ 13.8522, 15.4294,
16.4645

Harmonies

Analogous

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



8.2812, 12.0694, 4.2426



6.9968, 12.0694, 8.2642



6.7935, 12.0694, 15.9131

Triad

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



6.9968, 12.0694, 8.2642



12.4024, 12.0694, 36.1062



16.3596, 12.0694, 5.3829

Complementary

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



6.9968, 12.0694, 8.2642



7.0488, 3.5916, 2.2419

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.



17.9170, 12.0694, 10.7121



6.9968, 12.0694, 8.2642



15.3913, 12.0694, 29.8142

Square

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



6.9968, 12.0694, 8.2642



9.6104, 12.0694, 34.5261



17.5354, 12.0694, 19.6370



13.5588, 12.0694, 3.1342

Rectangle

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



6.9968, 12.0694, 8.2642



7.2569, 12.0694, 22.6464



17.5354, 12.0694, 19.6370



17.0657, 12.0694, 6.7561

Sweetspot

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



6.9971, 12.0699, 8.2645



19.6700, 24.7840, 24.9243



6.6389, 12.0241, 1.9712



4.5778, 5.8810, 5.8463



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



6.9971, 12.0699, 8.2645



12.2324, 21.1793, 14.2064



7.0353, 9.3909, 16.7716



3.4280, 3.7964, 4.0602



8.0777, 13.9486, 9.4957



39.8198, 69.3166, 45.0978

Inverse Universe

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



7.0488, 3.5916, 2.2419



12.3279, 6.2872, 3.6516



6.8798, 3.8398, 0.3788



3.4280, 3.4189, 3.7807



8.1382, 4.1476, 2.5375



40.1665, 20.5119, 10.6751

Previews

White Background



This preview shows how the XYZ color 6.9968, 12.0694, 8.2642 looks on a white background.

Color Contrast Check

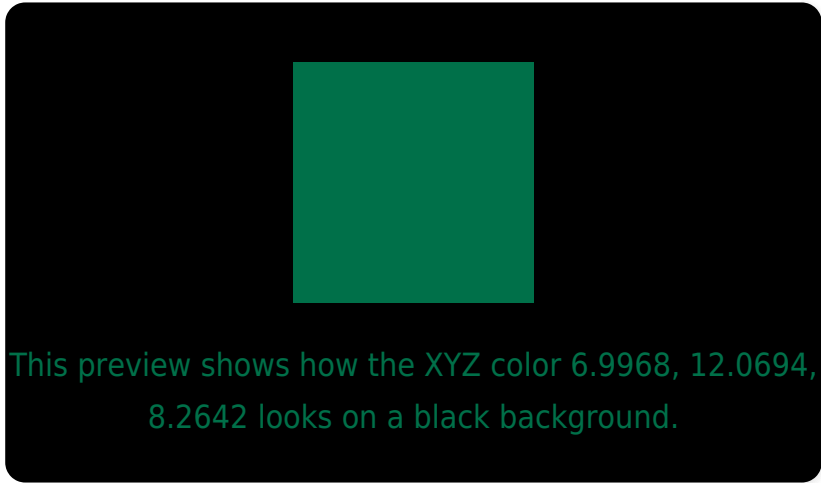
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 6.9968, 12.0694, 8.2642

Background



This preview shows how black text looks on a background with the XYZ color 6.9968, 12.0694, 8.2642.



This preview shows how white text looks on a background with the XYZ color 6.9968, 12.0694,

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

6.9968, 12.0694, 8.2642

Protanopia

11.1135, 11.9579, 7.0325

Deuteranopia

12.1933, 11.9419, 8.6835



Tritanopia

9.1889, 12.1845, 18.0872

Trichromacy



Original Color

6.9968, 12.0694, 8.2642

Protanomaly

8.1403, 11.1257, 7.3487

Deuteranomaly

8.6093, 11.0526, 8.5171

Tritanomaly

8.1698, 12.0641, 13.9546

Monochromacy



Original Color

6.9968, 12.0694, 8.2642

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

5.8980, 8.0782, 7.7270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.9968, 12.0694, 8.2642 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, 112, 73)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 73)  
}
```

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, 112, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 73) }
```

Border

The CSS property to change the border of an element to XYZ 6.9968, 12.0694, 8.2642 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, 112, 73) }
```


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

```
.border{ border-color:rgb(0, 112, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 73);  
box-shadow:4px 4px 4px 4px rgb(0, 112, 73)  
}
```

Background

The CSS property to change the background color of an element to XYZ 6.9968, 12.0694, 8.2642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 73) }
```

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

```
.background{ background-color: rgb(0, 112,  
73) }
```

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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