

Converting Colors

XYZ(4.1604, 9.8092, 6.9783)

Have a look what the booklet for
XYZ(4.1604, 9.8092, 6.9783)
contains.

XYZ(6.2708, 10.9206, 7.0876)	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(6.2708, 10.9206,
7.0876)**

Conversions

Conversions Part 1

Format	Color
Hex	006B43
RGB	0, 107, 67
RGB Percent	0%, 42%, 26%
CMY	1.0000, 0.5804, 0.7372
CMYK	1.00, 0.00, 0.37, 0.58
HSL	158°, 100%, 21%
HSV	158°, 100%, 42%
XYZ	6.2708, 10.9206, 7.0876
YIQ	70.4470, -50.9320, -35.1240

Conversions

Conversions Part 2

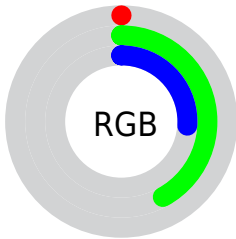
Format	Color
RYB	0, 66, 107
Decimal	27459
CIELab	39.45, -36.96, 15.14
CIELCh	39, 39.938, 157.717
Yxy	10.9206, 0.2583, 0.4498
Android (android.graphics.Color)	4278217539 (0xFF006B43)
YUV	70.4470, -1.6994, -61.7820
Hunter-Lab	33.0463, -23.9593, 10.4162

Details

The XYZ color **6.2708, 10.9206, 7.0876** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6.4467, 3.2792, 2.3011**, and the grayscale version is **5.9053, 6.2129, 6.7658**.

A 20% lighter version of the original color is **18.1651, 27.4118, 20.5533**, and **1.6677, 3.0880, 1.3188** is the 20% darker color. If you saturate the color by 10%, you get **6.2710, 10.9210, 7.0876**, and if you desaturate by 10%, it is **6.5294, 11.0398, 7.7483**.

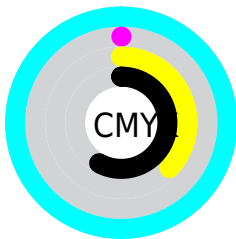
Distribution



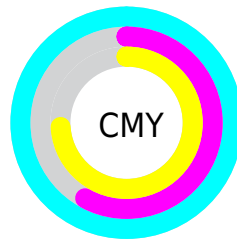
- Red (0%)
- Green (42%)
- Blue (26%)



- Red (0%)
- Yellow (26%)
- Blue (42%)



- Cyan (100%)
- Magenta (0%)
- Yellow (37%)
- Black (58%)



- Cyan (100%)
- Magenta (58%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.2708, 10.9206, 7.0876 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 6.2708, 10.9206, 7.0876 by changing the saturation by 10% instead.

6.2708, 10.9206,
7.0876

6.2708, 10.9206,
7.0876

156.1401,
197.1220, 178.0481

3.0527, 6.0135,
3.4377

18.2100, 27.5133,
20.6651

1.1817, 2.8533,
1.3222

27.6618, 39.9676,
31.4297

0.0918, 1.0556,
0.0799

39.9221, 55.7064,
45.4030

0.0000, 0.0000,
0.0000

55.3564, 75.1141,
63.0035

74.3300, 98.5751,
84.6497

97.2082, 126.4739,

110.7602

124.3565,
159.1947, 141.7534

6.2708, 10.9206,
7.0876

6.2708, 10.9206,
7.0876

6.2710, 10.9210,
7.0876

6.5294, 11.0398,
7.7483

6.8458, 11.1877,
8.4555

7.2681, 11.3890,
9.2127

7.8074, 11.6497,
10.0212

8.4732, 11.9745,
10.8821

■ 9.2740, 12.3680,
11.7966

■ 10.2178, 12.8341,
12.7658

■ 11.3117, 13.3764,
13.7908

■ 12.5623, 13.9985,
14.8727

Harmonies

Analogous

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



7.5107, 10.9206, 3.5686



6.2708, 10.9206, 7.0876



6.0299, 10.9206, 14.0061

Triad

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



6.2708, 10.9206, 7.0876



11.0942, 10.9206, 33.6163



15.0642, 10.9206, 4.9053

Complementary

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



6.2708, 10.9206, 7.0876



6.4467, 3.2792, 2.3011

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.



16.4373, 10.9206, 9.9997



6.2708, 10.9206, 7.0876



13.8996, 10.9206, 28.0049

Square

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



6.2708, 10.9206, 7.0876



8.5289, 10.9206, 31.6986



15.9777, 10.9206, 18.4842



12.4805, 10.9206, 2.7446

Rectangle

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



6.2708, 10.9206, 7.0876



6.4210, 10.9206, 20.2561



15.9777, 10.9206, 18.4842



15.7014, 10.9206, 6.2189

Sweetspot

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



6.2711, 10.9210, 7.0879



18.1417, 22.9042, 22.7066



6.1731, 10.9876, 1.7956



4.2556, 5.4768, 5.3602



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



6.2711, 10.9210, 7.0879



11.1686, 19.5309, 12.3743



6.7030, 9.1596, 15.3251



3.1362, 3.4736, 3.7009



7.6138, 13.2796, 8.5434



38.3651, 67.4931, 41.2651

Inverse Universe

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



6.4467, 3.2792, 2.3011



11.4870, 5.8490, 3.8236



6.2011, 3.4008, 0.3297



3.1422, 3.1338, 3.4792



7.8283, 3.9835, 2.7246



39.4972, 20.1408, 11.8207

Previews

White Background



This preview shows how the XYZ color 6.2708, 10.9206, 7.0876 looks on a white background.

Color Contrast Check

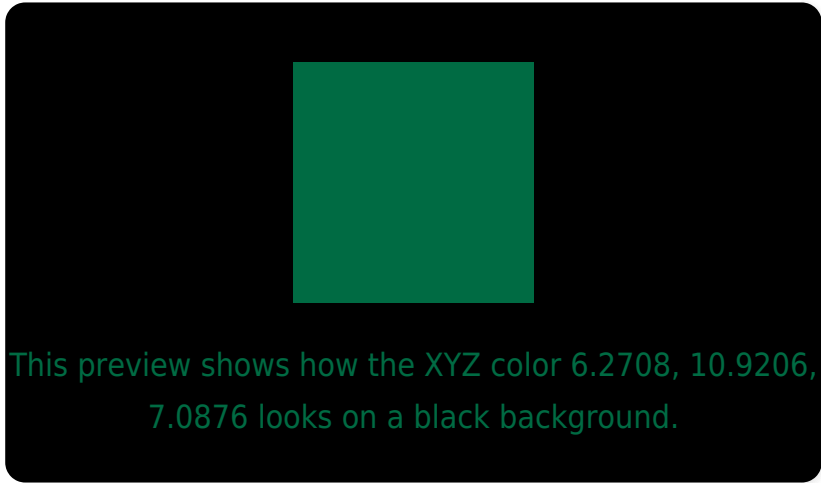
Large Text (above 18pt) WCAG AA ✓ Pass

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 6.2708, 10.9206, 7.0876

Background



This preview shows how black text looks on a background with the XYZ color 6.2708, 10.9206, 7.0876.



This preview shows how white text looks on a background with the XYZ color 6.2708, 10.9206,

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

6.2708, 10.9206, 7.0876

Protanopia

10.1235, 10.9323, 5.9915

Deuteranopia

11.0164, 10.8509, 7.4750



Tritanopia

8.3652, 11.0406, 16.4420

Trichromacy



Original Color

6.2708, 10.9206, 7.0876

Protanomaly

7.3792, 10.1842, 6.2795

Deuteranomaly

7.7426, 10.0731, 7.3306

Tritanomaly

7.3474, 10.9030, 12.3069

Monochromacy



Original Color

6.2708, 10.9206, 7.0876

Achromatopsia

5.8214, 6.1246, 6.6697

Achromatomaly

5.2496, 7.1741, 6.7383

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.2708, 10.9206, 7.0876 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, 107, 67)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 67)  
}
```

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, 107, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 67) }
```

Border

The CSS property to change the border of an element to XYZ 6.2708, 10.9206, 7.0876 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, 107, 67) }
```


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

```
.border{ border-color:rgb(0, 107, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 107, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 67);  
box-shadow:4px 4px 4px 4px rgb(0, 107, 67)  
}
```

Background

The CSS property to change the background color of an element to XYZ 6.2708, 10.9206, 7.0876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 67) }
```

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

```
.background{ background-color: rgb(0, 107,  
67) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor