

Converting Colors

XYZ(5.9208, 12.7914, 5.4429)

Have a look what the booklet for
XYZ(5.9208, 12.7914, 5.4429)
contains.

XYZ(7.2167, 13.4416, 5.4629)	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(7.2167, 13.4416,
5.4629)**

Conversions

Conversions Part 1

Format	Color
Hex	007734
RGB	0, 119, 52
RGB Percent	0%, 47%, 20%
CMY	1.0000, 0.5333, 0.7961
CMYK	1.00, 0.00, 0.56, 0.53
HSL	146°, 100%, 23%
HSV	146°, 100%, 47%
XYZ	7.2167, 13.4416, 5.4629
YIQ	75.7810, -49.4170, -46.0650

Conversions

Conversions Part 2

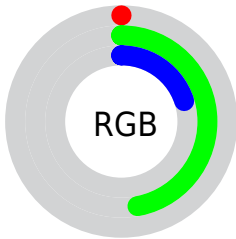
Format	Color
RYB	0, 83, 119
Decimal	30516
CIELab	43.42, -44.40, 28.69
CIELCh	43, 52.862, 147.136
Yxy	13.4416, 0.2763, 0.5146
Android (android.graphics.Color)	4278220596 (0xFF007734)
YUV	75.7810, -11.7240, -66.4599
Hunter-Lab	36.6628, -29.0240, 16.8295

Details

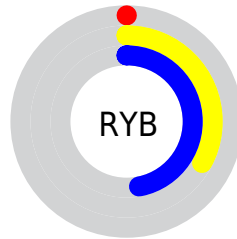
The XYZ color **7.2167, 13.4416, 5.4629** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **8.6215, 4.3276, 5.6923**, and the grayscale version is **6.8573, 7.2144, 7.8565**.

A 20% lighter version of the original color is **20.0333, 31.9616, 17.1699**, and **2.1555, 4.2672, 0.8536** is the 20% darker color. If you saturate the color by 10%, you get **7.2169, 13.4421, 5.4627**, and if you desaturate by 10%, it is **7.5291, 13.5843, 6.3225**.

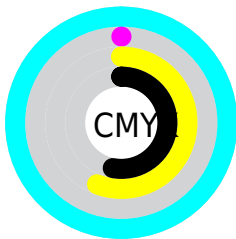
Distribution



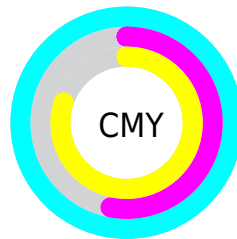
- Red (0%)
- Green (47%)
- Blue (20%)



- Red (0%)
- Yellow (33%)
- Blue (47%)



- Cyan (100%)
- Magenta (0%)
- Yellow (56%)
- Black (53%)





- Cyan (100%)
- Magenta (53%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.2167, 13.4416, 5.4629 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 7.2167, 13.4416, 5.4629 by changing the saturation by 10% instead.


 7.2167, 13.4416,
5.4629


 7.2167, 13.4416,
5.4629


163.9581,
213.7288, 163.3131


 3.6455, 7.7333,
2.4579


 20.1083, 32.0949,
17.2635


 1.5036, 3.9248,
0.8177

 30.1594, 45.8087,
26.8961


 0.3283, 1.6316,
0.0000

 43.1012, 62.9598,
39.5751

 0.0000, 0.3788,
0.0000

 59.2991, 83.9326,
55.7189

 0.0000, 0.0000,
0.0000

 79.1183, 109.1115,
75.7460

 102.9244,

138.8809, 100.0751

131.0825,
173.6252, 129.1246

7.2167, 13.4416,
5.4629

7.2167, 13.4416,
5.4629

7.2169, 13.4421,
5.4627

7.5291, 13.5843,
6.3225

7.9350, 13.7723,
7.3025

8.4875, 14.0332,
8.4098

9.2017, 14.3747,
9.6493

10.0907, 14.8035,
11.0251

■ 11.1664, 15.3255,
12.5417

■ 12.4392, 15.9462,
14.2028

■ 13.9191, 16.6706,
16.0124

■ 15.6152, 17.5034,
17.9741

Harmonies

Analogous

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



9.4968, 13.4416, 2.3151



7.2167, 13.4416, 5.4629



6.3920, 13.4416, 13.5326

Triad

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



7.2167, 13.4416, 5.4629



12.3847, 13.4416, 50.9253



21.1877, 13.4416, 6.5436

Complementary

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



7.2167, 13.4416, 5.4629



8.6215, 4.3276, 5.6923

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.



22.4168, 13.4416, 15.7970



7.2167, 13.4416, 5.4629



16.7341, 13.4416, 45.4713

Square

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



7.2167, 13.4416, 5.4629



8.9461, 13.4416, 43.1036



20.6387, 13.4416, 30.6925



17.5671, 13.4416, 2.6622

Rectangle

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



7.2167, 13.4416, 5.4629



6.6095, 13.4416, 22.3769



20.6387, 13.4416, 30.6925



21.9240, 13.4416, 8.9239

Sweetspot

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



7.2170, 13.4421, 5.4632



22.0864, 28.4624, 25.1946



8.9420, 14.4030, 2.3090



5.0423, 6.6516, 5.7247



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



7.2170, 13.4421, 5.4632



12.8555, 24.0431, 9.4268



9.4702, 14.3434, 17.3283



3.7009, 4.1223, 4.2589



7.6625, 14.2790, 5.7789



36.9253, 69.4174, 25.9753

Inverse Universe

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



8.6215, 4.3276, 5.6923



15.3676, 7.7208, 9.8225



7.6516, 3.9396, 0.5851



3.7622, 3.7322, 4.2747



9.1544, 4.5955, 6.0214



44.1744, 22.2199, 27.0457

Previews

White Background



This preview shows how the XYZ color 7.2167, 13.4416, 5.4629 looks on a white background.

Color Contrast Check

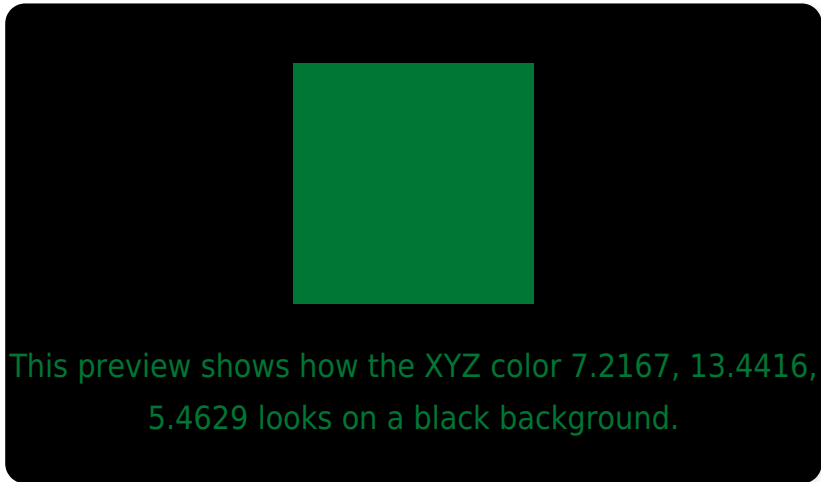
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.2167, 13.4416, 5.4629

Background



This preview shows how black text looks on a background with the XYZ color 7.2167, 13.4416, 5.4629.



This preview shows how white text looks on a background with the XYZ color 7.2167, 13.4416,

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

7.2167, 13.4416, 5.4629

Protanopia

12.2039, 13.2854, 4.6104

Deuteranopia

13.5889, 13.4008, 5.8734



Tritanopia

10.4177, 13.5732, 20.1600

Trichromacy



Original Color

7.2167, 13.4416, 5.4629



Protanomaly

8.6646, 12.3633, 4.8354



Deuteranomaly

9.1761, 12.2991, 5.6317



Tritanomaly

8.7775, 13.3820, 13.1867

Monochromacy



Original Color

7.2167, 13.4416, 5.4629



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

6.0592, 8.6879, 6.6678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.2167, 13.4416, 5.4629 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, 119, 52)` looks like.

```
.text, #text, p{  
    color:rgb(0, 119, 52)  
}
```

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, 119, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 119, 52) }
```

Border

The CSS property to change the border of an element to XYZ 7.2167, 13.4416, 5.4629 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, 119, 52) }
```


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

```
.border{ border-color:rgb(0, 119, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 119, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 119, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 119, 52);  
box-shadow:4px 4px 4px 4px rgb(0, 119, 52)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.2167, 13.4416, 5.4629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 119, 52) }
```

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

```
.background{ background-color: rgb(0, 119,  
52) }
```

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