

Converting Colors

XYZ(7.6229, 13.6735, 3.8884)

Have a look what the booklet for
XYZ(7.6229, 13.6735, 3.8884)
contains.

XYZ(7.6428, 13.6961, 3.9099)	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(7.6428, 13.6961,
3.9099)**

Conversions

Conversions Part 1

Format	Color
Hex	247724
RGB	36, 119, 36
RGB Percent	14%, 47%, 14%
CMY	0.8588, 0.5333, 0.8588
CMYK	0.70, 0.00, 0.70, 0.53
HSL	120°, 54%, 30%
HSV	120°, 70%, 47%
XYZ	7.6428, 13.6961, 3.9099
YIQ	84.7210, -22.8250, -43.4090

Conversions

Conversions Part 2

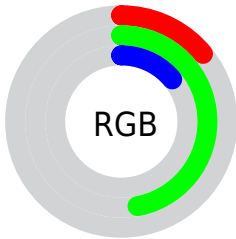
Format	Color
R_{YB}	36, 119, 119
Decimal	2389796
CIE _{Lab}	43.79, -41.92, 37.11
CIE _{LCh}	44, 55.987, 138.483
Yxy	13.6961, 0.3027, 0.5424
Android (android.graphics.Color)	4280579876 (0xFF247724)
YUV	84.7210, -24.0195, -42.7283
Hunter-Lab	37.0082, -27.9013, 19.6418

Details

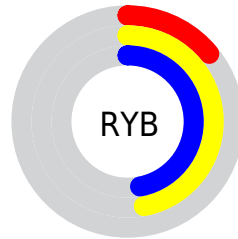
The XYZ color **7.6428, 13.6961, 3.9099** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **11.5686, 6.5157, 18.1002**, and the grayscale version is **8.6286, 9.0779, 9.8858**.

A 20% lighter version of the original color is **20.9064, 32.4881, 13.7633**, and **2.1281, 4.2562, 0.7094** is the 20% darker color. If you saturate the color by 10%, you get **7.1421, 13.4560, 3.0906**, and if you desaturate by 10%, it is **8.3428, 14.0328, 5.0547**.

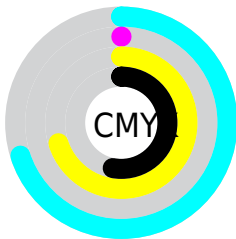
Distribution



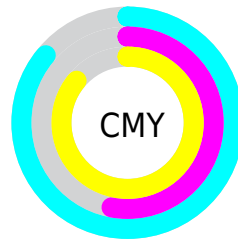
- Red (14%)
- Green (47%)
- Blue (14%)



- Red (14%)
- Yellow (47%)
- Blue (47%)



- Cyan (70%)
- Magenta (0%)
- Yellow (70%)
- Black (53%)



- Cyan (86%)
- Magenta (53%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.6428, 13.6961, 3.9099 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 7.6428, 13.6961, 3.9099 by changing the saturation by 10% instead.

■ 7.6428, 13.6961,
3.9099

■ 7.6428, 13.6961,
3.9099

167.3339,
215.3320, 147.2186

■ 3.9171, 7.9096,
1.5760

■ 20.9473, 32.5488,
13.8014

■ 1.6554, 4.0372,
0.2736

■ 31.2569, 46.3838,
22.1962

■ 0.4281, 1.6944,
0.0000

■ 44.4918, 63.6705,
33.4483

■ 0.0000, 0.4200,
0.0000

■ 61.0174, 84.7932,
47.9764

■ 0.0000, 0.0000,
0.0000

■ 81.1991, 110.1362,
66.1989

■ 105.4021,

140.0841, 88.5344

133.9919,
175.0213, 115.4014

7.6428, 13.6961,
3.9099

7.6428, 13.6961,
3.9099

7.1421, 13.4560,
3.0906

8.3428, 14.0328,
5.0547

6.8191, 13.3009,
2.5623

9.2589, 14.4728,
6.5532

6.6025, 13.1968,
2.2080

10.4073, 15.0244,
8.4316

6.5971, 13.1942,
2.1992

11.8023, 15.6945,
10.7133

13.4570, 16.4894,
13.4199

■ 15.3838, 17.4149,
16.5715

■ 17.5941, 18.4766,
20.1867

■ 20.0987, 19.6797,
24.2834

■ 22.9079, 21.0291,
28.8781

Harmonies

Analogous

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



10.5092, 13.6961, 1.7007



7.6428, 13.6961, 3.9099



6.3489, 13.6961, 10.5689

Triad

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



7.6428, 13.6961, 3.9099



11.3964, 13.6961, 53.6351



22.8350, 13.6961, 8.4602

Complementary

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



7.6428, 13.6961, 3.9099



11.5686, 6.5157, 18.1002

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.



23.2253, 13.6961, 20.3084



7.6428, 13.6961, 3.9099



15.8967, 13.6961, 51.8612

Square

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



7.6428, 13.6961, 3.9099



8.1654, 13.6961, 41.5048



20.4590, 13.6961, 37.5095



19.4894, 13.6961, 3.1155

Rectangle

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



7.6428, 13.6961, 3.9099



6.3007, 13.6961, 18.7918



20.4590, 13.6961, 37.5095



23.3402, 13.6961, 11.6080

Sweetspot

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



7.6431, 13.6967, 3.9102



23.5330, 29.2558, 23.1081



14.5236, 17.2437, 4.2319



5.4172, 6.8566, 5.2149



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.



7.6431, 13.6967, 3.9102



12.3856, 23.9012, 4.8743



8.6820, 14.1122, 9.3806



3.6406, 4.0982, 3.9415



7.0088, 14.0175, 2.3364



34.1546, 68.3091, 11.3852

Inverse Universe

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



11.5686, 6.5157, 18.1002



19.9308, 10.0985, 32.1491



9.5962, 5.7267, 7.7138



3.8266, 3.7579, 4.6139



11.6201, 5.5818, 19.0056



56.6263, 27.2006, 92.6164

Previews

White Background



This preview shows how the XYZ color 7.6428, 13.6961, 3.9099 looks on a white background.

Color Contrast Check

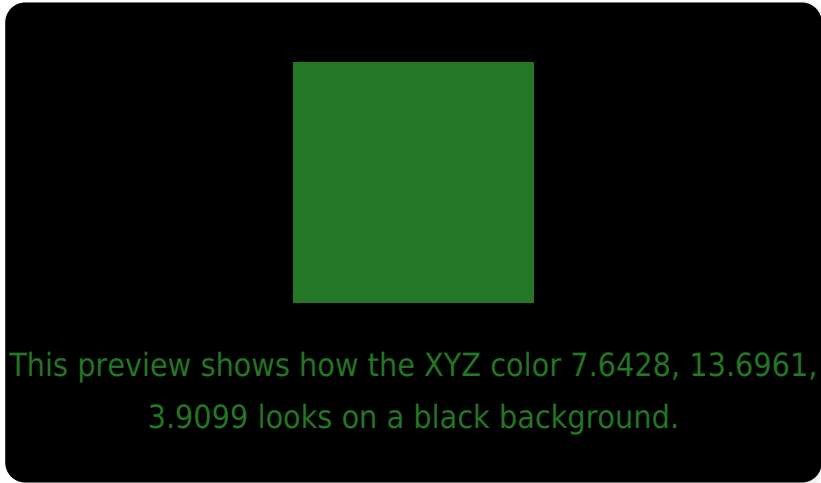
Large Text (above 18pt) WCAG AA ✓ Pass

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 7.6428, 13.6961, 3.9099

Background



This preview shows how black text looks on a background with the XYZ color 7.6428, 13.6961, 3.9099.



This preview shows how white text looks on a background with the XYZ color 7.6428, 13.6961,

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

7.6428, 13.6961, 3.9099

Protanopia

12.1812, 13.4496, 3.3205

Deuteranopia

13.7058, 13.4990, 4.1687



Tritanopia

10.8782, 13.6548, 19.8316

Trichromacy



Original Color

7.6428, 13.6961, 3.9099

Protanomaly

9.5809, 13.0255, 3.4481

Deuteranomaly

10.2564, 12.8942, 3.9557

Tritanomaly

9.1857, 13.4597, 11.5650

Monochromacy



Original Color

7.6428, 13.6961, 3.9099

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

7.6026, 10.1479, 6.8682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.6428, 13.6961, 3.9099 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(36, 119, 36)` looks like.

```
.text, #text, p{  
    color:rgb(36, 119, 36)  
}
```

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(36, 119, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 119, 36) }
```

Border

The CSS property to change the border of an element to XYZ 7.6428, 13.6961, 3.9099 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(36, 119, 36) }
```


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

```
.border{ border-color:rgb(36, 119, 36) }
```

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

Here you see how a box with a 4 pixel rgb(36, 119, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 119, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 119, 36);  
box-shadow:4px 4px 4px 4px rgb(36, 119,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 7.6428, 13.6961, 3.9099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 119, 36) }
```

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

```
.background{ background-color: rgb(36, 119,  
36) }
```

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