

Converting Colors

XYZ(10.1874, 15.7612, 2.7350)

Have a look what the booklet for
XYZ(10.1874, 15.7612, 2.7350)
contains.

XYZ(10.1874, 15.7612, 2.7350)	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(10.1874, 15.7612,
2.7350)**

Conversions

Conversions Part 1

Format	Color
Hex	4D7B08
RGB	77, 123, 8
RGB Percent	30%, 48%, 3%
CMY	0.6980, 0.5176, 0.9686
CMYK	0.37, 0.00, 0.93, 0.52
HSL	84°, 88%, 26%
HSV	84°, 93%, 48%
XYZ	10.1874, 15.7612, 2.7350
YIQ	96.1360, 9.4990, -45.5170

Conversions

Conversions Part 2

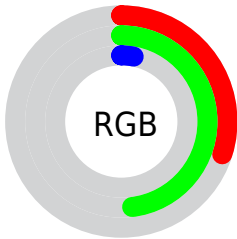
Format	Color
R_{YB}	8, 123, 54
Decimal	5077768
CIE _{Lab}	46.66, -32.58, 49.46
CIE _{LCh}	47, 59.225, 123.370
Yxy	15.7612, 0.3552, 0.5495
Android (android.graphics.Color)	4283267848 (0xFF4D7B08)
YUV	96.1360, -43.4510, -16.7823
Hunter-Lab	39.7004, -23.6713, 23.7057

Details

The XYZ color **10.1874, 15.7612, 2.7350** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **5.1840, 2.3885, 18.9275**, and the grayscale version is **11.2525, 11.8385, 12.8922**.

A 20% lighter version of the original color is **25.7444, 36.2017, 10.9410**, and **2.8255, 5.0917, 0.8339** is the 20% darker color. If you saturate the color by 10%, you get **9.8917, 15.6144, 2.4925**, and if you desaturate by 10%, it is **10.6851, 16.0085, 3.2031**.

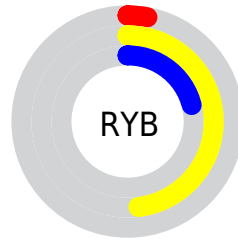
Distribution



Red (30%)

Green (48%)

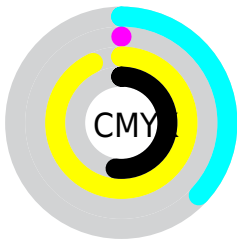
Blue (3%)



Red (3%)

Yellow (48%)

Blue (21%)

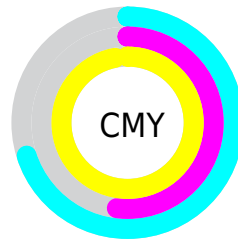


Cyan (37%)

Magenta (0%)

Yellow (93%)

Black (52%)



Cyan (70%)

Magenta (52%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1874, 15.7612, 2.7350 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 10.1874, 15.7612, 2.7350 by changing the saturation by 10% instead.

■ 10.1874, 15.7612,
2.7350

■ 10.1874, 15.7612,
2.7350

186.0302,
227.9285, 132.9104

■ 5.5866, 9.3553,
0.9610

■ 25.7939, 36.1831,
10.9672

■ 2.6336, 4.9737,
0.0000

■ 37.5303, 50.9680,
18.2625

■ 0.9631, 2.2318,
0.0000

■ 52.3759, 69.3146,
28.2353

■ 0.0000, 0.7373,
0.0000


■ 70.6961, 91.6075,
41.3041


■ 0.0000, 0.0000,
0.0000


■ 92.8563, 118.2309,
57.8874


■ 119.2218,


149.5692, 78.4039


 150.1580,
186.0070, 103.2721


 10.1874, 15.7612,
2.7350


 10.1874, 15.7612,
2.7350


 9.8917, 15.6144,
2.4925

 10.6851, 16.0085,
3.2031

 11.2680, 16.2928,
3.9612

 11.9451, 16.6184,
5.0515

 12.7230, 16.9880,
6.5067

 13.6079, 17.4042,
8.3555

■ 14.6053, 17.8692,
10.6239

■ 15.7201, 18.3850,
13.3355

■ 16.9572, 18.9537,
16.5123

■ 18.3208, 19.5771,
20.1746

Harmonies

Analogous

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



14.4087, 15.7612, 1.5925



10.1874, 15.7612, 2.7350



7.7850, 15.7612, 7.3645

Triad

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



10.1874, 15.7612, 2.7350



10.9832, 15.7612, 56.7750



27.1292, 15.7612, 15.5550

Complementary

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



10.1874, 15.7612, 2.7350



5.1840, 2.3885, 18.9275

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.



25.6298, 15.7612, 33.1751



10.1874, 15.7612, 2.7350



15.5674, 15.7612, 63.5683

Square

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



10.1874, 15.7612, 2.7350



8.1655, 15.7612, 37.8375



21.0813, 15.7612, 53.1703



24.8100, 15.7612, 5.8475

Rectangle

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



10.1874, 15.7612, 2.7350



7.1689, 15.7612, 14.1046



21.0813, 15.7612, 53.1703



27.0567, 15.7612, 20.6305

Sweetspot

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



10.1878, 15.7619, 2.7353



27.0851, 32.4298, 21.2540



9.5320, 6.8675, 1.0531



6.2118, 7.5602, 4.6042



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.1878, 15.7619, 2.7353



17.5482, 27.8753, 4.4556



7.4057, 14.3277, 2.6051



4.1599, 4.5577, 4.2850



10.2263, 16.1491, 2.5781



47.8003, 76.5274, 12.2519

Inverse Universe

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



5.1840, 2.3885, 18.9275



8.5338, 3.6598, 33.8132



10.2812, 5.0162, 19.1660



3.9353, 3.9645, 5.0010



5.0131, 2.1571, 19.5374



23.0076, 9.8229, 93.1532

Previews

White Background



This preview shows how the XYZ color 10.1874, 15.7612, 2.7350 looks on a white background.

Color Contrast Check

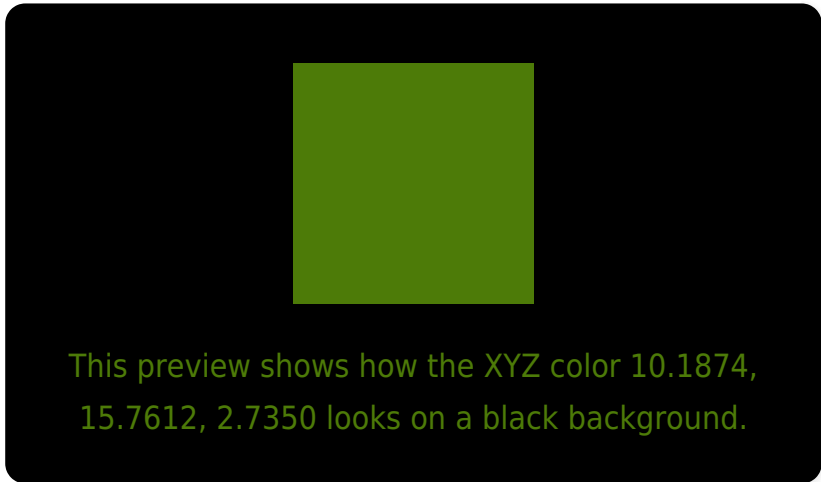
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.1874, 15.7612, 2.7350

Background



This preview shows how black text looks on a background with the XYZ color 10.1874, 15.7612, 2.7350.



This preview shows how white text looks on a background with the XYZ color 10.1874, 15.7612,

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

10.1874, 15.7612, 2.7350

Protanopia

13.9966, 15.6540, 2.2838

Deuteranopia

15.8745, 15.6623, 3.1062



Tritanopia

13.8089, 15.6383, 21.0296

Trichromacy



Original Color

10.1874, 15.7612, 2.7350

Protanomaly

12.2106, 15.3938, 2.4139

Deuteranomaly

13.1142, 15.3484, 2.8874

Tritanomaly

11.5928, 15.2480, 10.1167

Monochromacy



Original Color

10.1874, 15.7612, 2.7350

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.1993, 12.8021, 6.7840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1874, 15.7612, 2.7350 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(77, 123, 8)` looks like.

```
.text, #text, p{  
    color:rgb(77, 123, 8)  
}
```

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(77, 123, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 123, 8) }
```

Border

The CSS property to change the border of an element to XYZ 10.1874, 15.7612, 2.7350 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(77, 123, 8) }
```


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

```
.border{ border-color:rgb(77, 123, 8) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 123, 8)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 123, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 123, 8);  
box-shadow:4px 4px 4px 4px rgb(77, 123, 8)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.1874, 15.7612, 2.7350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 123, 8) }
```

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

```
.background{ background-color: rgb(77, 123,  
8) }
```

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