

Converting Colors

XYZ(15.1465, 17.8590, 3.7437)

Have a look what the booklet for
XYZ(15.1465, 17.8590, 3.7437)
contains.

XYZ(15.2154, 17.9695, 3.7651)	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(15.2154, 17.9695,
3.7651)**

Conversions

Conversions Part 1

Format	Color
Hex	7B791C
RGB	123, 121, 28
RGB Percent	48%, 47%, 11%
CMY	0.5176, 0.5255, 0.8902
CMYK	0.00, 0.02, 0.77, 0.52
HSL	59°, 63%, 30%
HSV	59°, 77%, 48%
XYZ	15.2154, 17.9695, 3.7651
YIQ	110.9960, 31.0450, -28.4990

Conversions

Conversions Part 2

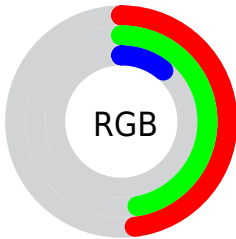
Format	Color
RYB	30, 123, 28
Decimal	8091932
CIELab	49.46, -10.66, 47.70
CIELCh	49, 48.879, 102.600
Yxy	17.9695, 0.4118, 0.4863
Android (android.graphics.Color)	4286282012 (0xFF7B791C)
YUV	110.9960, -40.9170, 10.5275
Hunter-Lab	42.3904, -10.1134, 24.4072

Details

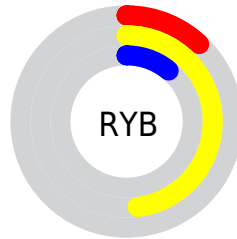
The XYZ color **15.2154, 17.9695, 3.7651** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.5184, 2.6055, 19.0038**, and the grayscale version is **15.2174, 16.0099, 17.4348**.

A 20% lighter version of the original color is **34.7516, 39.9313, 13.4653**, and **4.9811, 6.1047, 0.9158** is the 20% darker color. If you saturate the color by 10%, you get **15.0661, 17.8602, 3.1320**, and if you desaturate by 10%, it is **15.4258, 18.1047, 4.7162**.

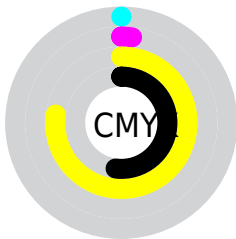
Distribution



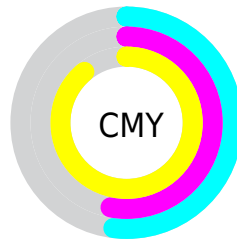
- Red (48%)
- Green (47%)
- Blue (11%)



- Red (12%)
- Yellow (48%)
- Blue (11%)



- Cyan (0%)
- Magenta (2%)
- Yellow (77%)
- Black (52%)



- Cyan (52%)
- Magenta (53%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2154, 17.9695, 3.7651 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 15.2154, 17.9695, 3.7651 by changing the saturation by 10% instead.

■ 15.2154, 17.9695,
3.7651

■ 15.2154, 17.9695,
3.7651

218.0289,
240.6991, 145.5775

■ 9.0580, 10.9281,
1.4974

■ 34.7992, 39.9853,
13.4643

■ 4.8364, 6.0185,
0.2160

■ 48.9563, 55.7286,
21.7328

■ 2.1854, 2.8563,
0.0000

■ 66.5106, 75.1412,
32.8387

■ 0.7350, 1.0572,
0.0000

■ 87.8276, 98.6076,
47.2005

■ 0.0000, 0.0000,
0.0000

■ 113.2726,
126.5122, 65.2368

■ 143.2109,

159.2394, 87.3660

178.0079,
197.1736, 114.0067

15.2154, 17.9695,
3.7651

15.2154, 17.9695,
3.7651

15.0661, 17.8602,
3.1320

15.4258, 18.1047,
4.7162

14.9621, 17.7686,
2.7388

15.7027, 18.2659,
6.0186

14.9348, 17.7438,
2.6378

16.0522, 18.4563,
7.7027

16.4793, 18.6779,
9.7955

16.9887, 18.9326,
12.3213

■ 17.5848, 19.2221,
15.3027

■ 18.2714, 19.5479,
18.7605

■ 19.0523, 19.9115,
22.7145

■ 19.9310, 20.3144,
27.1832

Harmonies

Analogous

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



19.8738, 17.9695, 3.9518



15.2154, 17.9695, 3.7651



11.7482, 17.9695, 6.1847

Triad

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



15.2154, 17.9695, 3.7651



11.3433, 17.9695, 42.3102



27.0271, 17.9695, 28.1950

Complementary

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



15.2154, 17.9695, 3.7651



4.5184, 2.6055, 19.0038

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.



23.8198, 17.9695, 44.8781



15.2154, 17.9695, 3.7651



14.5602, 17.9695, 55.2305

Square

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



15.2154, 17.9695, 3.7651



9.7988, 17.9695, 25.6516



19.0899, 17.9695, 56.3385



27.2893, 17.9695, 14.5277

Rectangle

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



15.2154, 17.9695, 3.7651



10.3487, 17.9695, 10.0435



19.0899, 17.9695, 56.3385



26.2343, 17.9695, 33.7514

Sweetspot

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



15.2158, 17.9703, 3.7655



30.7955, 34.0861, 23.9258



8.8333, 5.1415, 1.8349



7.1793, 7.9918, 5.2682



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.



15.2158, 17.9703, 3.7655



26.8326, 31.8520, 5.0579



10.4896, 15.8979, 3.6146



4.3009, 4.6202, 4.2896



15.4494, 18.3548, 2.7286



73.6125, 87.3884, 12.9879

Inverse Universe

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



4.5184, 2.6055, 19.0038



6.7058, 2.9583, 33.7742



6.6880, 3.6514, 19.0913



3.8038, 3.9058, 4.9966



3.7270, 1.5364, 19.4854



17.6997, 7.1721, 92.9213

Previews

White Background



This preview shows how the XYZ color 15.2154, 17.9695, 3.7651 looks on a white background.

Color Contrast Check

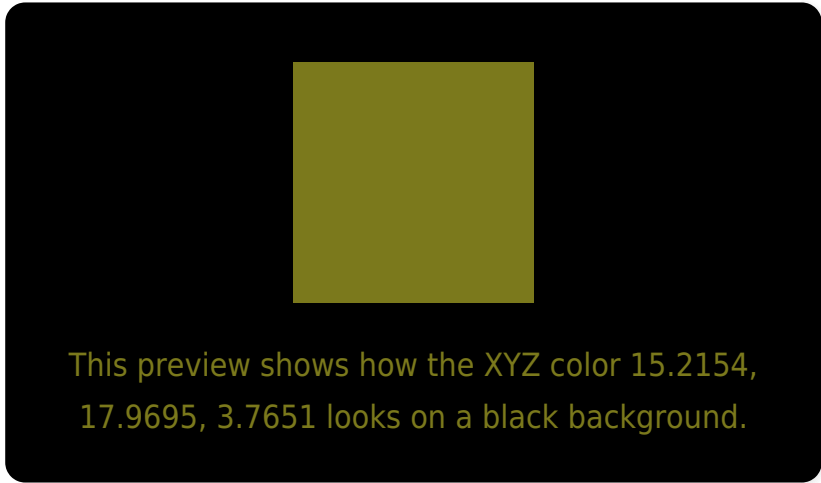
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

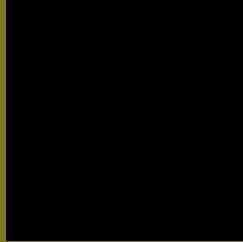
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.2154, 17.9695, 3.7651

Background



This preview shows how black text looks on a background with the XYZ color 15.2154, 17.9695, 3.7651.



This preview shows how white text looks on a background with the XYZ color 15.2154, 17.9695,

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

15.2154, 17.9695, 3.7651

Protanopia

16.1920, 17.9415, 3.6466

Deuteranopia

18.2676, 17.9885, 3.8758



Tritanopia

18.7781, 18.0407, 20.9048

Trichromacy



Original Color

15.2154, 17.9695, 3.7651

Protanomaly

15.8479, 17.9399, 3.6644

Deuteranomaly

17.0255, 17.8494, 3.8443

Tritanomaly

16.9089, 17.7846, 11.7741

Monochromacy



Original Color

15.2154, 17.9695, 3.7651

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.6862, 16.5004, 10.1954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2154, 17.9695, 3.7651 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(123, 121, 28)` looks like.

```
.text, #text, p{  
    color:rgb(123, 121, 28)  
}
```

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(123, 121, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 121, 28) }
```

Border

The CSS property to change the border of an element to XYZ 15.2154, 17.9695, 3.7651 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(123, 121, 28) }
```


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

```
.border{ border-color:rgb(123, 121, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 121, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 121, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 121, 28);  
box-shadow:4px 4px 4px 4px rgb(123, 121,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2154, 17.9695, 3.7651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 121, 28) }
```

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

```
.background{ background-color: rgb(123,  
121, 28) }
```

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