

Converting Colors

XYZ(15.7791, 20.6729, 3.2011)

Have a look what the booklet for
XYZ(15.7791, 20.6729, 3.2011)
contains.

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Color

**XYZ(15.7291, 20.5592,
3.1680)**

Conversions

Conversions Part 1

Format	Color
Hex	758501
RGB	117, 133, 1
RGB Percent	46%, 52%, 0%
CMY	0.5412, 0.4784, 0.9960
CMYK	0.12, 0.00, 0.99, 0.48
HSL	67°, 98%, 26%
HSV	67°, 99%, 52%
XYZ	15.7291, 20.5592, 3.1680
YIQ	113.1680, 32.8360, -44.4440

Conversions

Conversions Part 2

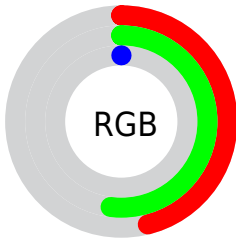
Format	Color
R_{YB}	1, 133, 17
Decimal	7701761
CIE _{Lab}	52.46, -20.59, 56.53
CIE _{LCh}	52, 60.161, 110.016
Yxy	20.5592, 0.3986, 0.5211
Android (android.graphics.Color)	4285891841 (0xFF758501)
YUV	113.1680, -55.2988, 3.3607
Hunter-Lab	45.3423, -17.4278, 27.5971

Details

The XYZ color **15.7291, 20.5592, 3.1680** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.4762, 1.8347, 22.3099**, and the grayscale version is **15.8991, 16.7271, 18.2158**.

A 20% lighter version of the original color is **35.5853, 44.2937, 11.9842**, and **5.3503, 7.4645, 1.1588** is the 20% darker color. If you saturate the color by 10%, you get **15.7076, 20.5495, 3.1386**, and if you desaturate by 10%, it is **16.0240, 20.7032, 3.5781**.

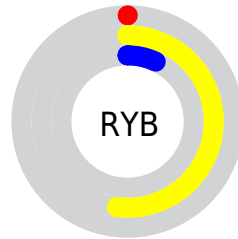
Distribution



Red (46%)

Green (52%)

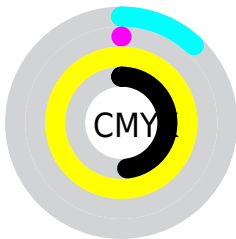
Blue (0%)



Red (0%)

Yellow (52%)

Blue (7%)

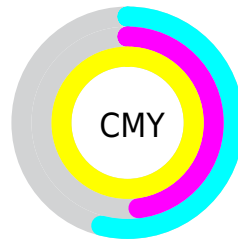


Cyan (12%)

Magenta (0%)

Yellow (99%)

Black (48%)



Cyan (54%)

Magenta (48%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7291, 20.5592, 3.1680 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 15.7291, 20.5592, 3.1680 by changing the saturation by 10% instead.

■ 15.7291, 20.5592,
3.1680

■ 15.7291, 20.5592,
3.1680

221.0398,
254.9265, 138.4724

■ 9.4223, 12.8022,
1.1810

■ 35.6885, 44.3528,
12.0402

■ 5.0769, 7.2925,
0.0000

■ 50.0719, 61.1581,
19.7626

■ 2.3277, 3.6457,
0.0000

■ 67.8781, 81.7483,
30.2339

■ 0.8088, 1.4774,
0.0000

■ 89.4725, 106.5078,
43.8726


■ 0.0000, 0.2727,
0.0000


■ 115.2206,
135.8210, 61.0972


■ 0.0000, 0.0000,
0.0000


■ 145.4875,


170.0722, 82.3264


 180.6388,
209.6459, 107.9786


 15.7291, 20.5592,
3.1680


 15.7291, 20.5592,
3.1680


 15.7076, 20.5495,
3.1386

 16.0240, 20.7032,
3.5781

 16.3699, 20.8672,
4.2392

 16.7897, 21.0612,
5.2699

 17.2917, 21.2886,
6.7137

 17.8831, 21.5522,
8.6083

■ 18.5703, 21.8545,
10.9870

■ 19.3589, 22.1978,
13.8801

■ 20.2543, 22.5843,
17.3154

■ 21.2614, 23.0159,
21.3186

Harmonies

Analogous

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



21.6871, 20.5592, 2.7657



15.7291, 20.5592, 3.1680



11.7396, 20.5592, 6.8085

Triad

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



15.7291, 20.5592, 3.1680



12.8235, 20.5592, 60.1855



33.8323, 20.5592, 28.8595

Complementary

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



15.7291, 20.5592, 3.1680



4.4762, 1.8347, 22.3099

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.



30.2030, 20.5592, 52.3681



15.7291, 20.5592, 3.1680



17.5412, 20.5592, 75.8450

Square

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



15.7291, 20.5592, 3.1680



10.3253, 20.5592, 36.2631



23.9236, 20.5592, 72.4041



33.0585, 20.5592, 12.5951

Rectangle

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



15.7291, 20.5592, 3.1680



10.3238, 20.5592, 12.6072



23.9236, 20.5592, 72.4041



33.0616, 20.5592, 36.2388

Sweetspot

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



15.7296, 20.5601, 3.1684



34.4508, 39.6562, 24.0502



9.8704, 5.3718, 0.5456



7.6451, 8.8836, 4.9878



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



15.7296, 20.5601, 3.1684



28.0396, 36.7524, 5.6161



9.7896, 17.4980, 2.8904



4.9857, 5.3952, 5.0080



14.9654, 19.5749, 2.9896



0.0557, 0.0698, 0.0105

Inverse Universe

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



4.4762, 1.8347, 22.3099



7.8914, 3.1923, 39.9387



7.7599, 3.5275, 22.4635



4.4831, 4.5696, 5.8465



4.2424, 1.7212, 21.2453



0.0178, 0.0076, 0.0737

Previews

White Background



This preview shows how the XYZ color 15.7291, 20.5592, 3.1680 looks on a white 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

Black Background



This preview shows how the XYZ color 15.7291, 20.5592, 3.1680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

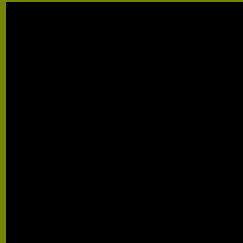
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.7291, 20.5592, 3.1680

Background



This preview shows how black text looks on a background with the XYZ color 15.7291, 20.5592, 3.1680.



This preview shows how white text looks on a background with the XYZ color 15.7291, 20.5592,

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

15.7291, 20.5592, 3.1680

Protanopia

18.3181, 20.3300, 2.9586

Deuteranopia

20.8520, 20.5246, 3.6732



Tritanopia

20.1937, 20.6208, 25.1062

Trichromacy



Original Color

15.7291, 20.5592, 3.1680

Protanomaly

17.2349, 20.3439, 3.0184

Deuteranomaly

18.6216, 20.2894, 3.3867

Tritanomaly

17.3974, 20.0456, 11.5466

Monochromacy



Original Color

15.7291, 20.5592, 3.1680

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.8256, 17.4782, 8.7231

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7291, 20.5592, 3.1680 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(117, 133, 1)` looks like.

```
.text, #text, p{  
    color:rgb(117, 133, 1)  
}
```

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(117, 133, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 133, 1) }
```

Border

The CSS property to change the border of an element to XYZ 15.7291, 20.5592, 3.1680 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(117, 133, 1) }
```


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

```
.border{ border-color:rgb(117, 133, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 133, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 133, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 133, 1);  
box-shadow:4px 4px 4px 4px rgb(117, 133,  
1) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7291, 20.5592, 3.1680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 133, 1) }
```

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

```
.background{ background-color: rgb(117,  
133, 1) }
```

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](#).

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