

Converting Colors

XYZ(14.9701, 7.3876, 30.6363)

Have a look what the booklet for
XYZ(14.9701, 7.3876, 30.6363)
contains.

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Color

**XYZ(15.0193, 7.3996,
30.7737)**

Conversions

Conversions Part 1

Format	Color
Hex	811299
RGB	129, 18, 153
RGB Percent	51%, 7%, 60%
CMY	0.4941, 0.9294, 0.4000
CMYK	0.16, 0.88, 0.00, 0.40
HSL	289°, 79%, 34%
HSV	289°, 88%, 60%
XYZ	15.0193, 7.3996, 30.7737
YIQ	66.5790, 22.8210, 65.5170

Conversions

Conversions Part 2

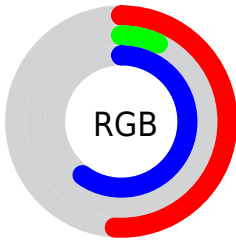
Format	Color
R_{YB}	129, 18, 153
Decimal	8458905
CIE _{Lab}	32.70, 60.40, -47.29
CIE _{LCh}	33, 76.711, 321.945
Yxy	7.3996, 0.2824, 0.1391
Android (android.graphics.Color)	4286648985 (0xFF811299)
YUV	66.5790, 42.6056, 54.7432
Hunter-Lab	27.2022, 50.9523, -48.0329

Details

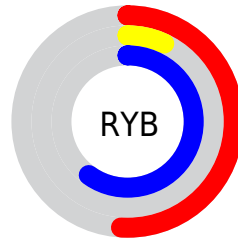
The XYZ color **15.0193, 7.3996, 30.7737** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **12.4555, 23.3186, 4.4169**, and the grayscale version is **5.2021, 5.4731, 5.9602**.

A 20% lighter version of the original color is **34.5773, 20.8780, 61.8819**, and **5.1730, 2.3954, 12.5016** is the 20% darker color. If you saturate the color by 10%, you get **14.4249, 6.8157, 30.6924**, and if you desaturate by 10%, it is **15.7743, 8.2877, 30.9054**.

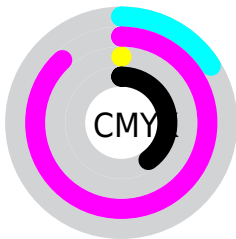
Distribution



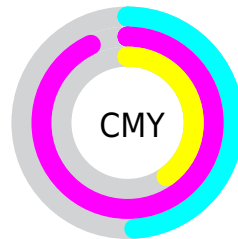
- Red (51%)
- Green (7%)
- Blue (60%)



- Red (51%)
- Yellow (7%)
- Blue (60%)



- Cyan (16%)
- Magenta (88%)
- Yellow (0%)
- Black (40%)





- Cyan (49%)
- Magenta (93%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.0193, 7.3996, 30.7737 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 15.0193, 7.3996, 30.7737 by changing the saturation by 10% instead.


 15.0193, 7.3996,
30.7737


 15.0193, 7.3996,
30.7737


216.8691,
170.9440, 319.8132


 8.9193, 3.7132,
20.1696


 34.4584, 20.7727,
61.9590


 4.7453, 1.5145,
12.3331


 48.5283, 31.2282,
83.3773


 2.1318, 0.2989,
6.8456


 65.9855, 44.7089,
109.2373

 0.7064, 0.0000,
3.2888

 87.1954, 61.5992,
139.9577

 0.0000, 0.0000,
1.2439

 112.5233, 82.2835,
175.9569

 0.0000, 0.0000,
0.0151

 142.3347,

 0.0000, 0.0000,

107.1461, 217.6536

0.0000

176.9948,
136.5714, 265.4662

15.0193, 7.3996,
30.7737

15.0193, 7.3996,
30.7737

14.4249, 6.8157,
30.6924

15.7743, 8.2877,
30.9054

14.3246, 6.7204,
30.6793

16.7336, 9.5683,
31.1021

17.9208, 11.2879,
31.3714

19.3558, 13.4866,
31.7202

21.0563, 16.1995,
32.1542

■ 23.0384, 19.4586,
32.6788

■ 25.3169, 23.2934,
33.2989

■ 27.9053, 27.7310,
34.0190

■ 30.8166, 32.7971,
34.8434

Harmonies

Analogous

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



10.3262, 7.3996, 50.7993



15.0193, 7.3996, 30.7737



17.7633, 7.3996, 11.5641

Triad

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



15.0193, 7.3996, 30.7737



8.1698, 7.3996, 0.0000



2.0315, 7.3996, 19.4481

Complementary

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



15.0193, 7.3996, 30.7737



12.4555, 23.3186, 4.4169

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.



1.8278, 7.3996, 5.3419



15.0193, 7.3996, 30.7737



4.5271, 7.3996, 0.0000

Square

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



15.0193, 7.3996, 30.7737



12.9371, 7.3996, 0.0000



2.5411, 7.3996, 0.6357



3.2704, 7.3996, 40.9540

Rectangle

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



15.0193, 7.3996, 30.7737



17.5952, 7.3996, 4.2961



2.5411, 7.3996, 0.6357



1.8651, 7.3996, 13.5462

Sweetspot

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



15.0196, 7.3999, 30.7739



41.9218, 35.9536, 58.7022



6.8543, 4.1385, 30.5747



8.9915, 7.4972, 12.8907



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.0196, 7.3999, 30.7739



25.5123, 11.9626, 54.9363



16.1815, 8.3364, 15.5800



6.3535, 6.2681, 7.8040



11.8641, 5.5672, 25.3570



0.2023, 0.0961, 0.3803

Inverse Universe

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



13.7713, 7.3723, 2.8880



23.8354, 12.2519, 2.7268



12.4765, 23.2455, 8.2093



6.2514, 6.2397, 6.7041



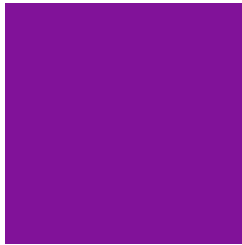
11.0321, 5.6671, 1.4283



0.1747, 0.0886, 0.0730

Previews

White Background



This preview shows how the XYZ color 15.0193, 7.3996, 30.7737 looks on a white background.

Color Contrast Check

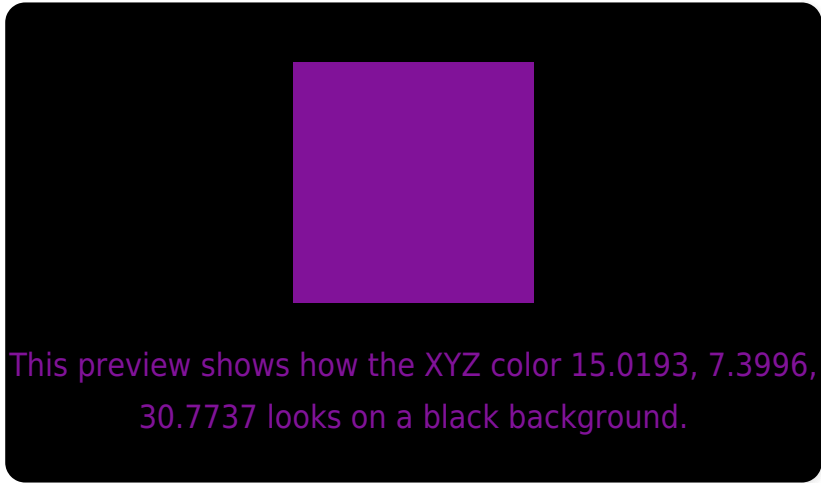
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

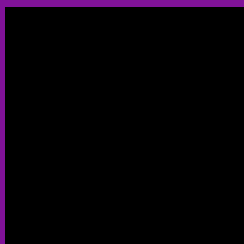
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.0193, 7.3996, 30.7737

Background



This preview shows how black text looks on a background with the XYZ color 15.0193, 7.3996, 30.7737.



This preview shows how white text looks on a background with the XYZ color 15.0193, 7.3996, 30.7737.

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

15.0193, 7.3996, 30.7737

Protanopia

8.9296, 7.7069, 34.2747

Deuteranopia

7.7511, 7.6903, 26.6670



Tritanopia

10.0421, 7.6205, 6.0959

Trichromacy



Original Color

15.0193, 7.3996, 30.7737

Protanomaly

8.6243, 5.7710, 32.5577

Deuteranomaly

7.8237, 5.6059, 27.8638

Tritanomaly

11.0668, 6.9008, 12.3040

Monochromacy



Original Color

15.0193, 7.3996, 30.7737

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

7.5194, 5.2521, 12.1727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0193, 7.3996, 30.7737 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(129, 18, 153)` looks like.

```
.text, #text, p{  
    color:rgb(129, 18, 153)  
}
```

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(129, 18, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 18, 153) }
```

Border

The CSS property to change the border of an element to XYZ 15.0193, 7.3996, 30.7737 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(129, 18, 153) }
```


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

```
.border{ border-color:rgb(129, 18, 153) }
```

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

Here you see how a box with a 4 pixel rgb(129, 18, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 18, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 18, 153);  
box-shadow:4px 4px 4px 4px rgb(129, 18,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0193, 7.3996, 30.7737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 18, 153) }
```

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

```
.background{ background-color: rgb(129, 18,  
153) }
```

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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