

Converting Colors

XYZ(14.7860, 7.1190, 39.1229)

Have a look what the booklet for
XYZ(14.7860, 7.1190, 39.1229)
contains.

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Color

**XYZ(14.7860, 7.1190,
39.1229)**

Conversions

Conversions Part 1

Format	Color
Hex	7413AB
RGB	116, 19, 171
RGB Percent	45%, 7%, 67%
CMY	0.5451, 0.9255, 0.3294
CMYK	0.32, 0.89, 0.00, 0.33
HSL	278°, 80%, 37%
HSV	278°, 89%, 67%
XYZ	14.7860, 7.1190, 39.1229
YIQ	65.3310, 9.0200, 67.8360

Conversions

Conversions Part 2

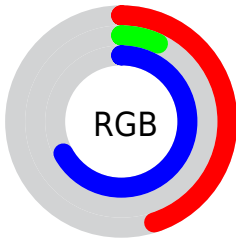
Format	Color
R_{YB}	116, 19, 171
Decimal	7607211
CIE _{Lab}	32.08, 61.68, -59.29
CIE _{LCh}	32, 85.562, 316.132
Yxy	7.1190, 0.2423, 0.1167
Android (android.graphics.Color)	4285797291 (0xFF7413AB)
YUV	65.3310, 52.0948, 44.4367
Hunter-Lab	26.6815, 52.2264, -68.2597

Details

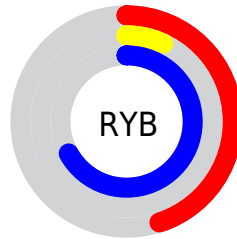
The XYZ color **14.7860, 7.1190, 39.1229** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **17.5045, 30.6288, 5.6055**, and the grayscale version is **4.9972, 5.2574, 5.7254**.

A 20% lighter version of the original color is **33.9674, 20.1676, 74.7755**, and **5.0145, 2.2142, 16.9927** is the 20% darker color. If you saturate the color by 10%, you get **13.7788, 6.2847, 39.0151**, and if you desaturate by 10%, it is **16.0376, 8.3596, 39.2965**.

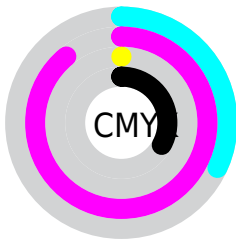
Distribution



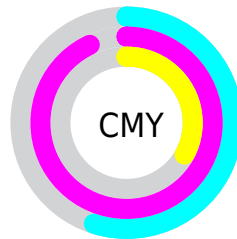
- Red (45%)
- Green (7%)
- Blue (67%)



- Red (45%)
- Yellow (7%)
- Blue (67%)



- Cyan (32%)
- Magenta (89%)
- Yellow (0%)
- Black (33%)





- Cyan (55%)
- Magenta (93%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.7860, 7.1190, 39.1229 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 14.7860, 7.1190, 39.1229 by changing the saturation by 10% instead.


 14.7860, 7.1190,
39.1229


 14.7860, 7.1190,
39.1229


215.4814,
168.6489, 357.8543


 8.7547, 3.5366,
26.5468


 34.0521, 20.2122,
75.0484

 4.6373, 1.4179,
17.0037


 48.0175, 30.4918,
99.2349


 2.0686, 0.2299,
10.0752


 65.3584, 43.7727,
128.1287

 0.6721, 0.0000,
5.3426

 86.4400, 60.4391,
162.1481

 0.0000, 0.0000,
2.3874

 111.6278, 80.8756,
201.7119


 0.0000, 0.0000,
0.7796


 141.2870,

 0.0000, 0.0000,

105.4664, 247.2385

0.0000


 175.7831,
134.5960, 299.1464


 14.7860, 7.1190,
39.1229


 14.7860, 7.1190,
39.1229


 13.7788, 6.2847,
39.0151


 16.0376, 8.3596,
39.2965

 13.6731, 6.1996,
39.0042

 17.5919, 10.1234,
39.5551

 19.4815, 12.4732,
39.9090

 21.7338, 15.4628,
40.3674

 24.3733, 19.1396,
40.9379

■ 27.4221, 23.5463,
41.6278

■ 30.9005, 28.7222,
42.4436

■ 34.8274, 34.7038,
43.3912

■ 39.2203, 41.5251,
44.4763

Harmonies

Analogous

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



9.3725, 7.1190, 61.2323



14.7860, 7.1190, 39.1229



18.6012, 7.1190, 15.0457

Triad

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



14.7860, 7.1190, 39.1229



8.9807, 7.1190, 0.0000



1.4863, 7.1190, 16.5165

Complementary

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



14.7860, 7.1190, 39.1229



17.5045, 30.6288, 5.6055

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.



1.4553, 7.1190, 3.3040



14.7860, 7.1190, 39.1229



4.6946, 7.1190, 0.0000

Square

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



14.7860, 7.1190, 39.1229



14.3952, 7.1190, 0.0000



2.3441, 7.1190, 0.0000



2.4615, 7.1190, 41.1292

Rectangle

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



14.7860, 7.1190, 39.1229



18.9892, 7.1190, 5.4597



2.3441, 7.1190, 0.0000



1.3859, 7.1190, 10.6085

Sweetspot

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



14.7864, 7.1192, 39.1231



49.9429, 43.3928, 74.7452



10.1174, 8.0749, 39.5536



10.7091, 9.0485, 16.5698



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



14.7864, 7.1192, 39.1231



24.2477, 10.9794, 69.8431



22.5919, 11.3495, 30.1649



8.0517, 8.0010, 10.0727



10.3665, 4.7040, 29.4061



0.3454, 0.1603, 0.8207

Inverse Universe

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



18.2636, 9.6182, 7.3723



31.5363, 16.0891, 9.0856



15.2022, 29.4127, 6.8188



8.1205, 8.0615, 8.9455



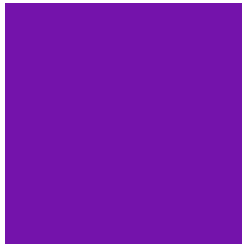
13.3368, 6.7973, 4.1532



0.3977, 0.1998, 0.2561

Previews

White Background



This preview shows how the XYZ color 14.7860, 7.1190, 39.1229 looks on a white background.

Color Contrast Check

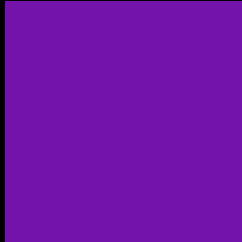
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 14.7860, 7.1190, 39.1229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

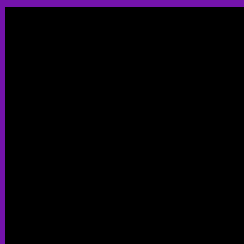
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.7860, 7.1190, 39.1229

Background



This preview shows how black text looks on a background with the XYZ color 14.7860, 7.1190, 39.1229.



This preview shows how white text looks on a background with the XYZ color 14.7860, 7.1190,

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

14.7860, 7.1190, 39.1229

Protanopia

8.4495, 7.2979, 32.4158

Deuteranopia

7.1692, 7.3412, 23.9608



Tritanopia

8.4487, 7.2813, 7.4387

Trichromacy



Original Color

14.7860, 7.1190, 39.1229



Protanomaly

8.7070, 5.7038, 34.3602



Deuteranomaly

7.7633, 5.5566, 28.6803



Tritanomaly

9.7266, 6.3886, 15.1885

Monochromacy



Original Color

14.7860, 7.1190, 39.1229



Achromatopsia

5.0244, 5.2861, 5.7565



Achromatomaly

7.2118, 4.9982, 13.6813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7860, 7.1190, 39.1229 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(116, 19, 171)` looks like.

```
.text, #text, p{  
    color:rgb(116, 19, 171)  
}
```

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(116, 19, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 19, 171) }
```

Border

The CSS property to change the border of an element to XYZ 14.7860, 7.1190, 39.1229 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(116, 19, 171) }
```


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

```
.border{ border-color:rgb(116, 19, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 19, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 19, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 19, 171);  
box-shadow:4px 4px 4px 4px rgb(116, 19,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7860, 7.1190, 39.1229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 19, 171) }
```

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

```
.background{ background-color: rgb(116, 19,  
171) }
```

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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