

Converting Colors

XYZ(15.7535, 12.1629, 27.7788)

Have a look what the booklet for
XYZ(15.7535, 12.1629, 27.7788)
contains.

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Color

**XYZ(15.7350, 12.1221,
27.8960)**

Conversions

Conversions Part 1

Format	Color
Hex	775390
RGB	119, 83, 144
RGB Percent	47%, 33%, 56%
CMY	0.5333, 0.6745, 0.4353
CMYK	0.17, 0.42, 0.00, 0.44
HSL	275°, 27%, 45%
HSV	275°, 42%, 56%
XYZ	15.7350, 12.1221, 27.8960
YIQ	100.7180, 1.8750, 26.6030

Conversions

Conversions Part 2

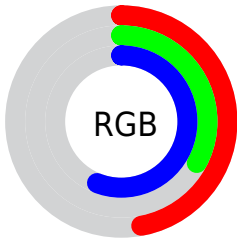
Format	Color
R_{YB}	119, 83, 144
Decimal	7820176
CIE _{Lab}	41.41, 27.09, -28.04
CIE _{LCh}	41, 38.991, 314.009
Yxy	12.1221, 0.2822, 0.2174
Android (android.graphics.Color)	4286010256 (0xFF775390)
YUV	100.7180, 21.3380, 16.0333
Hunter-Lab	34.8168, 19.7413, -23.1327

Details

The XYZ color **15.7350, 12.1221, 27.8960** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **17.7194, 23.7595, 11.8363**, and the grayscale version is **12.2439, 12.8816, 14.0280**.

A 20% lighter version of the original color is **35.5938, 29.6229, 57.2679**, and **5.0916, 3.3787, 10.7397** is the 20% darker color. If you saturate the color by 10%, you get **13.9607, 9.7385, 27.5296**, and if you desaturate by 10%, it is **17.7893, 14.9903, 28.3415**.

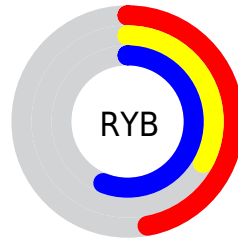
Distribution



Red (47%)

Green (33%)

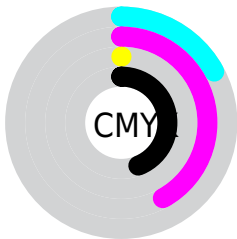
Blue (56%)



Red (47%)

Yellow (33%)

Blue (56%)

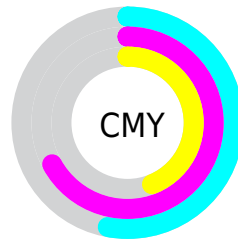


Cyan (17%)

Magenta (42%)

Yellow (0%)

Black (44%)



Cyan (53%)

Magenta (67%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7350, 12.1221, 27.8960 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 15.7350, 12.1221, 27.8960 by changing the saturation by 10% instead.

15.7350, 12.1221,
27.8960

15.7350, 12.1221,
27.8960

221.0742,
205.2120, 305.8659

9.4265, 6.8269,
18.0089

35.6987, 29.7173,
57.3395

5.0797, 3.3541,
10.7869

50.0846, 42.7861,
77.7329

2.3294, 1.3193,
5.8114

67.8937, 59.2148,
102.4656

0.8096, 0.1560,
2.6638

89.4913, 79.3879,
131.9560

0.0000, 0.0000,
0.9251

115.2428,
103.6898, 166.6227

0.0000, 0.0000,
0.0000

145.5135,

132.5048, 206.8842

180.6689,
166.2174, 253.1591

■ 15.7350, 12.1221,
27.8960

■ 15.7350, 12.1221,
27.8960

■ 13.9607, 9.7385,
27.5296

■ 17.7893, 14.9903,
28.3415

■ 12.4499, 7.8089,
27.2368

■ 20.1363, 18.3682,
28.8698

■ 11.1862, 6.3017,
27.0125

■ 22.7894, 22.2809,
29.4852

■ 10.1507, 5.1803,
26.8506

■ 25.7605, 26.7513,
30.1915

■ 9.3210, 4.4013,
26.7440

■ 29.0611, 31.8009,
30.9922

■ 8.7788, 3.9441,
26.6843

■ 32.7021, 37.4503,
31.8908

■ 36.6937, 43.7188,
32.8903

■ 41.0457, 50.6251,
33.9940

■ 45.7676, 58.1867,
35.2047

Harmonies

Analogous

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



12.8910, 12.1221, 34.8541



15.7350, 12.1221, 27.8960



17.5904, 12.1221, 17.9791

Triad

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



15.7350, 12.1221, 27.8960



13.0882, 12.1221, 3.1659



7.0040, 12.1221, 17.3462

Complementary

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



15.7350, 12.1221, 27.8960



17.7194, 23.7595, 11.8363

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.



7.0391, 12.1221, 9.3513



15.7350, 12.1221, 27.8960



10.2529, 12.1221, 3.1123

Square

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



15.7350, 12.1221, 27.8960



15.8996, 12.1221, 5.0573



8.1369, 12.1221, 4.8586



8.0317, 12.1221, 27.2723

Rectangle

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



15.7350, 12.1221, 27.8960



17.8534, 12.1221, 12.1382



8.1369, 12.1221, 4.8586



6.8979, 12.1221, 14.3197

Sweetspot

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



15.7354, 12.1226, 27.8963



39.7475, 38.6319, 51.8998



14.0084, 14.6664, 28.4783



8.8904, 8.5258, 11.8493



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.7354, 12.1226, 27.8963



24.7141, 17.2956, 48.5738



19.2493, 13.9780, 26.0779



5.4154, 5.4023, 6.7861



7.6717, 3.4485, 23.2384



0.0984, 0.0459, 0.2233

Inverse Universe

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



17.3021, 13.1991, 15.8238



28.0830, 19.5916, 23.4637



15.3059, 22.4918, 12.7859



5.4948, 5.4584, 6.1035



10.7148, 5.4429, 4.1496



0.1129, 0.0562, 0.0949

Previews

White Background



This preview shows how the XYZ color 15.7350, 12.1221, 27.8960 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



This preview shows how the XYZ color 15.7350, 12.1221, 27.8960 looks on a 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 15.7350, 12.1221, 27.8960

Background



This preview shows how black text looks on a background with the XYZ color 15.7350, 12.1221, 27.8960.



This preview shows how white text looks on a background with the XYZ color 15.7350, 12.1221,

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

15.7350, 12.1221, 27.8960

Protanopia

13.0798, 12.2688, 32.6891

Deuteranopia

12.4758, 12.2218, 26.9008



Tritanopia

12.8967, 12.1935, 13.7305

Trichromacy



Original Color

15.7350, 12.1221, 27.8960

Protanomaly

13.7406, 11.9918, 30.8686

Deuteranomaly

13.4289, 12.0402, 27.2074

Tritanomaly

13.7950, 12.0505, 18.1219

Monochromacy



Original Color

15.7350, 12.1221, 27.8960

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.3979, 12.4779, 18.5320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7350, 12.1221, 27.8960 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(119, 83, 144)` looks like.

```
.text, #text, p{  
    color:rgb(119, 83, 144)  
}
```

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(119, 83, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 83, 144) }
```

Border

The CSS property to change the border of an element to XYZ 15.7350, 12.1221, 27.8960 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(119, 83, 144) }
```


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

```
.border{ border-color:rgb(119, 83, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 83, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 83, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 83, 144);  
box-shadow:4px 4px 4px 4px rgb(119, 83,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7350, 12.1221, 27.8960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 83, 144) }
```

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

```
.background{ background-color: rgb(119, 83,  
144) }
```

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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