

Converting Colors

XYZ(17.9352, 12.1386, 39.5274)

Have a look what the booklet for
XYZ(17.9352, 12.1386, 39.5274)
contains.

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Color

**XYZ(17.9402, 12.1454,
39.4290)**

Conversions

Conversions Part 1

Format	Color
Hex	7B4BAA
RGB	123, 75, 170
RGB Percent	48%, 29%, 67%
CMY	0.5176, 0.7059, 0.3333
CMYK	0.28, 0.56, 0.00, 0.33
HSL	270°, 39%, 48%
HSV	270°, 56%, 67%
XYZ	17.9402, 12.1454, 39.4290
YIQ	100.1820, -1.8870, 39.7210

Conversions

Conversions Part 2

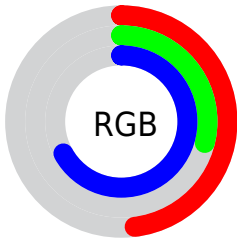
Format	Color
R_{YB}	123, 75, 170
Decimal	8080298
CIE _{Lab}	41.45, 39.20, -43.51
CIE _{LCh}	41, 58.564, 312.018
Yxy	12.1454, 0.2581, 0.1747
Android (android.graphics.Color)	4286270378 (0xFF7B4BAA)
YUV	100.1820, 34.4203, 20.0114
Hunter-Lab	34.8503, 30.9002, -42.6846

Details

The XYZ color **17.9402, 12.1454, 39.4290** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **23.6709, 33.3953, 11.8553**, and the grayscale version is **12.0752, 12.7041, 13.8348**.

A 20% lighter version of the original color is **39.5484, 29.8777, 75.6340**, and **6.1286, 3.3703, 17.1571** is the 20% darker color. If you saturate the color by 10%, you get **15.7856, 9.5459, 39.0410**, and if you desaturate by 10%, it is **20.5072, 15.4153, 39.9251**.

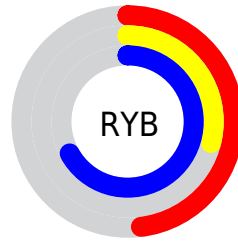
Distribution



Red (48%)

Green (29%)

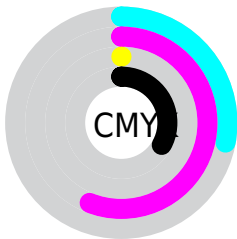
Blue (67%)



Red (48%)

Yellow (29%)

Blue (67%)

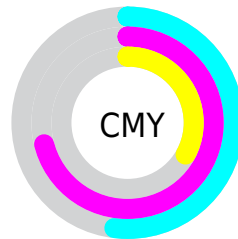


Cyan (28%)

Magenta (56%)

Yellow (0%)

Black (33%)



Cyan (52%)

Magenta (71%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9402, 12.1454, 39.4290 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 17.9402, 12.1454, 39.4290 by changing the saturation by 10% instead.

■ 17.9402, 12.1454,
39.4290

■ 17.9402, 12.1454,
39.4290

233.5859,
205.3655, 359.1913

■ 11.0065, 6.8428,
26.7832

■ 39.4663, 29.7596,
75.5208

■ 6.1385, 3.3640,
17.1795

■ 54.7894, 42.8401,
99.8039

■ 2.9710, 1.3246,
10.1992

■ 73.6396, 59.2819,
128.8031

■ 1.1384, 0.1601,
5.4239

■ 96.3824, 79.4695,
162.9371

■ 0.0569, 0.0000,
2.4350

■ 123.3831,
103.7872, 202.6244

■ 0.0000, 0.0000,
0.8054

155.0070,

■ 0.0000, 0.0000,

132.6195, 248.2835

0.0000

191.6194,
166.3509, 300.3329

■ 17.9402, 12.1454,
39.4290

■ 17.9402, 12.1454,
39.4290

■ 15.7856, 9.5459,
39.0410

■ 20.5072, 15.4153,
39.9251

■ 14.0142, 7.5636,
38.7518

■ 23.5101, 19.4001,
40.5360

■ 12.5948, 6.1396,
38.5517

■ 26.9719, 24.1423,
41.2688

■ 11.4863, 5.1961,
38.4280

■ 30.9138, 29.6802,
42.1300

■ 11.0840, 4.8759,
38.3874

■ 35.3553, 36.0498,
43.1254

■ 40.3148, 43.2848,
44.2605

■ 45.8099, 51.4168,
45.5405

■ 51.8571, 60.4759,
46.9703

■ 58.4723, 70.4910,
48.5548

Harmonies

Analogous

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



13.3346, 12.1454, 51.9950



17.9402, 12.1454, 39.4290



21.2186, 12.1454, 21.8688

Triad

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



17.9402, 12.1454, 39.4290



14.2617, 12.1454, 1.1082



5.2429, 12.1454, 18.7344

Complementary

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



17.9402, 12.1454, 39.4290



23.6709, 33.3953, 11.8553

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.



5.3743, 12.1454, 7.2238



17.9402, 12.1454, 39.4290



9.9210, 12.1454, 0.9915

Square

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



17.9402, 12.1454, 39.4290



18.7610, 12.1454, 2.9171



6.8834, 12.1454, 2.3313



6.4652, 12.1454, 35.9603

Rectangle

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



17.9402, 12.1454, 39.4290



21.8169, 12.1454, 12.4155



6.8834, 12.1454, 2.3313



5.1405, 12.1454, 14.0674

Sweetspot

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



17.9407, 12.1459, 39.4293



55.0142, 52.3266, 76.2024



17.1788, 18.4407, 40.6845



11.9496, 11.2186, 16.9233



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.



17.9407, 12.1459, 39.4293



27.8308, 16.3840, 70.6975



26.3496, 16.4808, 39.8228



7.4795, 7.4798, 9.4679



8.2180, 3.6200, 28.2411



0.2589, 0.1185, 0.6899

Inverse Universe

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



22.6067, 14.9837, 20.1130



37.7212, 22.3973, 29.8344



18.5467, 30.7536, 11.6155



7.6800, 7.6019, 8.6322



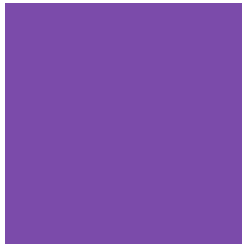
13.4029, 6.7699, 6.9332



0.3520, 0.1751, 0.3051

Previews

White Background



This preview shows how the XYZ color 17.9402, 12.1454, 39.4290 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 17.9402, 12.1454, 39.4290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

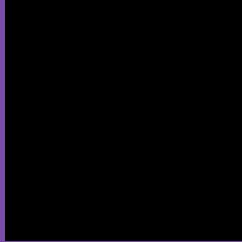
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.9402, 12.1454, 39.4290

Background



This preview shows how black text looks on a background with the XYZ color 17.9402, 12.1454, 39.4290.



This preview shows how white text looks on a background with the XYZ color 17.9402, 12.1454,

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

17.9402, 12.1454, 39.4290

Protanopia

14.3413, 12.3944, 50.3517

Deuteranopia

12.6186, 12.3441, 37.3149



Tritanopia

12.8189, 12.1478, 13.9811

Trichromacy



Original Color

17.9402, 12.1454, 39.4290

Protanomaly

14.6355, 11.7379, 46.2940

Deuteranomaly

13.6918, 11.6801, 38.0921

Tritanomaly

14.1639, 11.8068, 21.2711

Monochromacy



Original Color

17.9402, 12.1454, 39.4290

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.6271, 12.1510, 21.0292

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9402, 12.1454, 39.4290 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, 75, 170)` looks like.

```
.text, #text, p{  
  color:rgb(123, 75, 170)  
}
```

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, 75, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 75, 170) }
```

Border

The CSS property to change the border of an element to XYZ 17.9402, 12.1454, 39.4290 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, 75, 170) }
```


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

```
.border{ border-color:rgb(123, 75, 170) }
```

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

Here you see how a box with a 4 pixel rgb(123, 75, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 75, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 75, 170);  
box-shadow:4px 4px 4px 4px rgb(123, 75,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9402, 12.1454, 39.4290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 75, 170) }
```

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

```
.background{ background-color: rgb(123, 75,  
170) }
```

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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