

Converting Colors

XYZ(19.3141, 12.5079, 49.4488)

Have a look what the booklet for
XYZ(19.3141, 12.5079, 49.4488)
contains.

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Color

**XYZ(19.3798, 12.5648,
49.5479)**

Conversions

Conversions Part 1

Format	Color
Hex	784ABD
RGB	120, 74, 189
RGB Percent	47%, 29%, 74%
CMY	0.5294, 0.7098, 0.2588
CMYK	0.37, 0.61, 0.00, 0.26
HSL	264°, 47%, 52%
HSV	264°, 61%, 74%
XYZ	19.3798, 12.5648, 49.5479
YIQ	100.8640, -9.4990, 45.5170

Conversions

Conversions Part 2

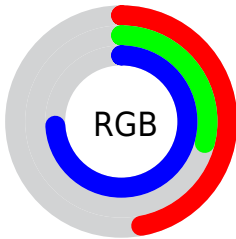
Format	Color
R_{YB}	120, 74, 189
Decimal	7883453
CIE _{Lab}	42.10, 43.86, -53.66
CIE _{LCh}	42, 69.304, 309.259
Yxy	12.5648, 0.2378, 0.1542
Android (android.graphics.Color)	4286073533 (0xFF784ABD)
YUV	100.8640, 43.4510, 16.7823
Hunter-Lab	35.4469, 35.5590, -58.0632

Details

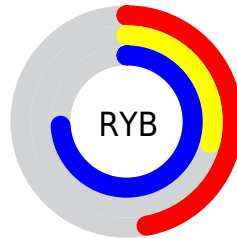
The XYZ color **19.3798, 12.5648, 49.5479** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **30.7614, 42.7294, 13.1052**, and the grayscale version is **12.2285, 12.8654, 14.0104**.

A 20% lighter version of the original color is **41.8727, 30.5512, 90.8788**, and **6.9008, 3.5683, 23.2467** is the 20% darker color. If you saturate the color by 10%, you get **16.8217, 9.6461, 49.1196**, and if you desaturate by 10%, it is **22.5043, 16.3384, 50.1118**.

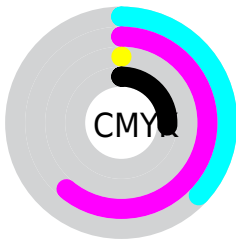
Distribution



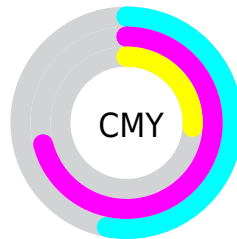
- Red (47%)
- Green (29%)
- Blue (74%)



- Red (47%)
- Yellow (29%)
- Blue (74%)



- Cyan (37%)
- Magenta (61%)
- Yellow (0%)
- Black (26%)



- Cyan (53%)
- Magenta (71%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3798, 12.5648, 49.5479 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 19.3798, 12.5648, 49.5479 by changing the saturation by 10% instead.

■ 19.3798, 12.5648,
49.5479

■ 19.3798, 12.5648,
49.5479

241.4356,
208.1094, 401.5796

■ 12.0507, 7.1296,
34.6856

■ 41.8868, 30.5197,
90.8941

■ 6.8506, 3.5433,
23.1392

■ 57.7954, 43.8081,
118.2150

■ 3.4144, 1.4215,
14.4901

■ 77.2945, 60.4831,
150.5260

■ 1.3765, 0.2325,
8.3197

■ 100.7496, 80.9289,
188.2455

■ 0.2394, 0.0000,
4.2095

■ 128.5258,
105.5301, 231.7921

■ 0.0000, 0.0000,
1.7410

160.9887,

■ 0.0000, 0.0000,

134.6710, 281.5843

0.3886

198.5035,
168.7359, 338.0406

■ 0.0000, 0.0000,
0.0000

■ 19.3798, 12.5648,
49.5479

■ 19.3798, 12.5648,
49.5479

■ 16.8217, 9.6461,
49.1196

■ 22.5043, 16.3384,
50.1118

■ 14.7866, 7.5073,
48.8141

■ 26.2305, 21.0302,
50.8211

■ 13.2267, 6.0621,
48.6173

■ 30.5923, 26.6990,
51.6854

■ 12.1343, 5.1944,
48.5074

■ 35.6208, 33.3983,
52.7134

■ 41.3445, 41.1773,
53.9133

■ 47.7904, 50.0824,
55.2924

■ 54.9840, 60.1568,
56.8578

■ 62.9495, 71.4418,
58.6162

■ 71.7097, 83.9764,
60.5739

Harmonies

Analogous

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



13.6099, 12.5648, 65.1983



19.3798, 12.5648, 49.5479



23.8214, 12.5648, 26.4019

Triad

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



19.3798, 12.5648, 49.5479



15.8091, 12.5648, 0.5435



4.5863, 12.5648, 18.7772

Complementary

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



19.3798, 12.5648, 49.5479



30.7614, 42.7294, 13.1052

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.



4.8629, 12.5648, 5.8876



19.3798, 12.5648, 49.5479



10.4171, 12.5648, 0.2926

Square

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



19.3798, 12.5648, 49.5479



21.3819, 12.5648, 2.4308



6.7028, 12.5648, 1.3694



5.7930, 12.5648, 40.6657

Rectangle

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



19.3798, 12.5648, 49.5479



24.8528, 12.5648, 14.0513



6.7028, 12.5648, 1.3694



4.5188, 12.5648, 13.3171

Sweetspot

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



19.3804, 12.5652, 49.5482



66.2979, 63.1920, 94.9292



21.8322, 24.7753, 51.7758



13.6454, 12.7639, 20.2871



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



19.3804, 12.5652, 49.5482



28.8165, 15.8555, 87.7678



29.8800, 17.9780, 50.0396



9.3680, 9.4066, 11.9941



8.2455, 3.5368, 32.6410



0.3971, 0.1767, 1.2820

Inverse Universe

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



28.3932, 17.6999, 27.9064



47.1138, 26.3136, 42.2917



23.2258, 38.8447, 12.7526



9.7640, 9.6299, 11.1460



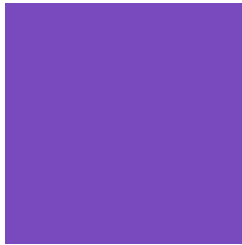
16.1793, 8.1029, 11.5040



0.6652, 0.3300, 0.6164

Previews

White Background



This preview shows how the XYZ color 19.3798, 12.5648, 49.5479 looks on a white background.

Color Contrast Check

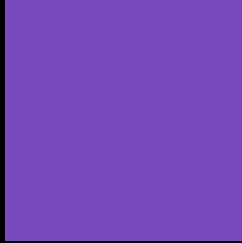
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3798, 12.5648, 49.5479 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 19.3798, 12.5648, 49.5479

Background



This preview shows how black text looks on a background with the XYZ color 19.3798, 12.5648, 49.5479.



This preview shows how white text looks on a background with the XYZ color 19.3798, 12.5648,

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

19.3798, 12.5648, 49.5479

Protanopia

15.0820, 12.7254, 58.7881

Deuteranopia

12.7904, 12.5620, 44.3984



Tritanopia

12.3970, 12.5801, 15.1394

Trichromacy



Original Color

19.3798, 12.5648, 49.5479

Protanomaly

14.8372, 11.6384, 55.4973

Deuteranomaly

13.3270, 11.4365, 46.3048

Tritanomaly

14.3230, 12.1735, 24.8874

Monochromacy



Original Color

19.3798, 12.5648, 49.5479

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

14.1591, 12.3638, 23.8305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3798, 12.5648, 49.5479 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(120, 74, 189)` looks like.

```
.text, #text, p{  
  color:rgb(120, 74, 189)  
}
```

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(120, 74, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 74, 189) }
```

Border

The CSS property to change the border of an element to XYZ 19.3798, 12.5648, 49.5479 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(120, 74, 189) }
```


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

```
.border{ border-color:rgb(120, 74, 189) }
```

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

Here you see how a box with a 4 pixel rgb(120, 74, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 74, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 74, 189);  
box-shadow:4px 4px 4px 4px rgb(120, 74,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3798, 12.5648, 49.5479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 74, 189) }
```

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

```
.background{ background-color: rgb(120, 74,  
189) }
```

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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