

Converting Colors

XYZ(20.0512, 12.9933, 47.9889)

Have a look what the booklet for
XYZ(20.0512, 12.9933, 47.9889)
contains.

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Color

**XYZ(20.0641, 12.9548,
47.8974)**

Conversions

Conversions Part 1

Format	Color
Hex	7F4ABA
RGB	127, 74, 186
RGB Percent	50%, 29%, 73%
CMY	0.5020, 0.7098, 0.2706
CMYK	0.32, 0.60, 0.00, 0.27
HSL	268°, 45%, 51%
HSV	268°, 60%, 73%
XYZ	20.0641, 12.9548, 47.8974
YIQ	102.6150, -4.3640, 46.0680

Conversions

Conversions Part 2

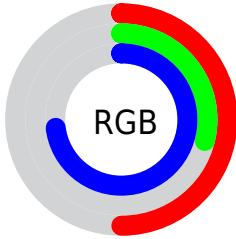
Format	Color
RYB	127, 74, 186
Decimal	8342202
CIELab	42.70, 44.72, -50.91
CIElCh	43, 67.758, 311.295
Yxy	12.9548, 0.2480, 0.1601
Android (android.graphics.Color)	4286532282 (0xFF7F4ABA)
YUV	102.6150, 41.1088, 21.3856
Hunter-Lab	35.9928, 36.5171, -53.7052

Details

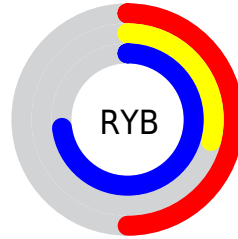
The XYZ color **20.0641, 12.9548, 47.8974** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **28.4680, 40.5990, 12.8149**, and the grayscale version is **12.6872, 13.3480, 14.5359**.

A 20% lighter version of the original color is **43.0397, 31.2056, 88.5489**, and **7.1640, 3.6969, 22.1658** is the 20% darker color. If you saturate the color by 10%, you get **17.6120, 10.1120, 47.4782**, and if you desaturate by 10%, it is **23.0264, 16.6058, 48.4462**.

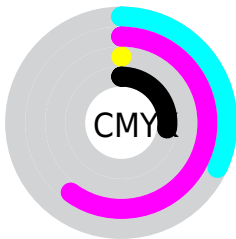
Distribution



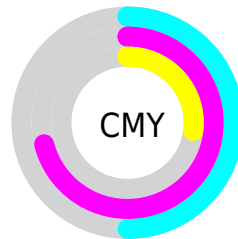
- Red (50%)
- Green (29%)
- Blue (73%)



- Red (50%)
- Yellow (29%)
- Blue (73%)



- Cyan (32%)
- Magenta (60%)
- Yellow (0%)
- Black (27%)



- Cyan (50%)
- Magenta (71%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0641, 12.9548, 47.8974 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 20.0641, 12.9548, 47.8974 by changing the saturation by 10% instead.

■ 20.0641, 12.9548,
47.8974

■ 20.0641, 12.9548,
47.8974

245.0889,
210.6278, 394.8823

■ 12.5502, 7.3974,
33.3862

■ 43.0277, 31.2226,
88.4156

■ 7.1944, 3.7119,
22.1490

■ 59.2082, 44.7017,
115.2597

■ 3.6314, 1.5137,
13.7670

■ 79.0082, 61.5903,
147.0518

■ 1.4958, 0.2984,
7.8219

■ 102.7931, 82.2726,
184.2106

■ 0.3230, 0.0000,
3.8951

■ 130.9282,
107.1332, 227.1544

■ 0.0000, 0.0000,
1.5680

163.7790,

■ 0.0000, 0.0000,

136.5563, 276.3020

0.2678

201.7108,
170.9264, 332.0718

■ 0.0000, 0.0000,
0.0000

■ 20.0641, 12.9548,
47.8974

■ 20.0641, 12.9548,
47.8974

■ 17.6120, 10.1120,
47.4782

■ 23.0264, 16.6058,
48.4462

■ 15.6308, 8.0071,
47.1763

■ 26.5303, 21.1243,
49.1337

■ 14.0774, 6.5593,
46.9787

■ 30.6065, 26.5655,
49.9691

■ 12.8893, 5.6209,
46.8602

■ 35.2829, 32.9795,
50.9607

■ 40.5850, 40.4128,
52.1160

■ 46.5372, 48.9087,
53.4422

■ 53.1622, 58.5080,
54.9458

■ 60.4817, 69.2494,
56.6334

■ 68.5163, 81.1696,
58.5107

Harmonies

Analogous

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



14.3544, 12.9548, 64.1263



20.0641, 12.9548, 47.8974



24.2621, 12.9548, 25.2824

Triad

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



20.0641, 12.9548, 47.8974



15.7661, 12.9548, 0.6595



4.9365, 12.9548, 20.4148

Complementary

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



20.0641, 12.9548, 47.8974



28.4680, 40.5990, 12.8149

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.



5.1185, 12.9548, 6.8307



20.0641, 12.9548, 47.8974



10.4752, 12.9548, 0.5010

Square

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



20.0641, 12.9548, 47.8974



21.3421, 12.9548, 2.4524



6.8702, 12.9548, 1.7311



6.2755, 12.9548, 42.2834

Rectangle

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



20.0641, 12.9548, 47.8974



25.0885, 12.9548, 13.4747



6.8702, 12.9548, 1.7311



4.8343, 12.9548, 14.7559

Sweetspot

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



20.0647, 12.9553, 47.8977



65.7041, 62.2130, 92.7467



20.1757, 21.9781, 49.6334



13.8831, 12.8864, 20.2982



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.



20.0647, 12.9553, 47.8977



30.7673, 17.0587, 85.8724



30.6665, 18.4207, 48.3939



8.9144, 8.9222, 11.3318



8.7568, 3.8255, 31.5299



0.3802, 0.1717, 1.1149

Inverse Universe

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



26.9324, 17.0305, 24.0581



45.0805, 25.5632, 35.6832



21.9154, 37.2210, 12.5083



9.1969, 9.0891, 10.3844



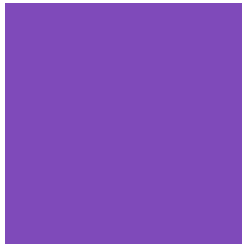
15.1441, 7.6314, 8.6455



0.5649, 0.2814, 0.4682

Previews

White Background



This preview shows how the XYZ color 20.0641, 12.9548, 47.8974 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 20.0641, 12.9548, 47.8974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

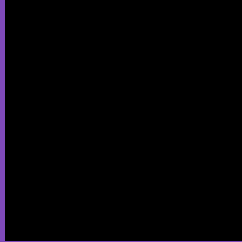
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.0641, 12.9548, 47.8974

Background



This preview shows how black text looks on a background with the XYZ color 20.0641, 12.9548, 47.8974.



This preview shows how white text looks on a background with the XYZ color 20.0641, 12.9548,

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

20.0641, 12.9548, 47.8974

Protanopia

15.5372, 13.0544, 60.7323

Deuteranopia

13.5145, 13.2154, 45.0186



Tritanopia

13.3289, 12.9284, 14.8896

Trichromacy



Original Color

20.0641, 12.9548, 47.8974

Protanomaly

15.0079, 11.8491, 55.5289

Deuteranomaly

14.3205, 12.0885, 45.8345

Tritanomaly

15.2116, 12.6479, 24.1938

Monochromacy



Original Color

20.0641, 12.9548, 47.8974

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.7429, 12.7925, 23.8825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0641, 12.9548, 47.8974 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(127, 74, 186)` looks like.

```
.text, #text, p{  
    color:rgb(127, 74, 186)  
}
```

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(127, 74, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 74, 186) }
```

Border

The CSS property to change the border of an element to XYZ 20.0641, 12.9548, 47.8974 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(127, 74, 186) }
```


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

```
.border{ border-color:rgb(127, 74, 186) }
```

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

Here you see how a box with a 4 pixel rgb(127, 74, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 74, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 74, 186);  
box-shadow:4px 4px 4px 4px rgb(127, 74,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 20.0641, 12.9548, 47.8974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 74, 186) }
```

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

```
.background{ background-color: rgb(127, 74,  
186) }
```

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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