

Converting Colors

XYZ(20.4499, 16.0833, 41.0568)

Have a look what the booklet for
XYZ(20.4499, 16.0833, 41.0568)
contains.

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Color

**XYZ(20.4735, 16.0400,
41.0467)**

Conversions

Conversions Part 1

Format	Color
Hex	7F61AC
RGB	127, 97, 172
RGB Percent	50%, 38%, 67%
CMY	0.5020, 0.6196, 0.3255
CMYK	0.26, 0.44, 0.00, 0.33
HSL	264°, 31%, 53%
HSV	264°, 44%, 67%
XYZ	20.4735, 16.0400, 41.0467
YIQ	114.5200, -6.1950, 29.6850

Conversions

Conversions Part 2

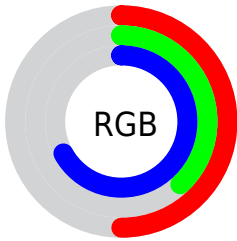
Format	Color
R_{YB}	127, 97, 172
Decimal	8348076
CIE _{Lab}	47.03, 28.06, -35.81
CIE _{LCh}	47, 45.493, 308.077
Yxy	16.0400, 0.2640, 0.2068
Android (android.graphics.Color)	4286538156 (0xFF7F61AC)
YUV	114.5200, 28.3376, 10.9450
Hunter-Lab	40.0500, 21.1616, -32.7306

Details

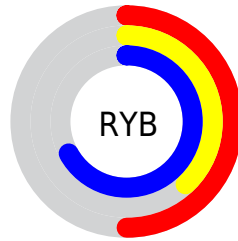
The XYZ color **20.4735, 16.0400, 41.0467** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **28.0659, 36.1193, 16.8024**, and the grayscale version is **16.0697, 16.9066, 18.4113**.

A 20% lighter version of the original color is **43.6496, 36.6050, 78.1637**, and **7.3720, 5.1090, 18.0503** is the 20% darker color. If you saturate the color by 10%, you get **17.5942, 12.4469, 40.5052**, and if you desaturate by 10%, it is **23.8561, 20.4046, 41.7112**.

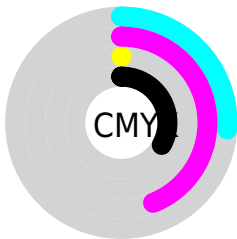
Distribution



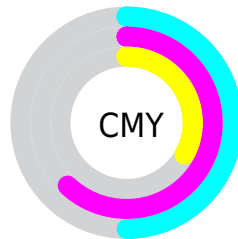
- Red (50%)
- Green (38%)
- Blue (67%)



- Red (50%)
- Yellow (38%)
- Blue (67%)



- Cyan (26%)
- Magenta (44%)
- Yellow (0%)
- Black (33%)



- Cyan (50%)
- Magenta (62%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4735, 16.0400, 41.0467 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 20.4735, 16.0400, 41.0467 by changing the saturation by 10% instead.

■ 20.4735, 16.0400,
41.0467

■ 20.4735, 16.0400,
41.0467

247.2521,
229.5776, 366.1982

■ 12.8500, 9.5525,
28.0356

■ 43.7075, 36.6676,
78.0092

■ 7.4016, 5.1033,
18.1132

■ 60.0488, 51.5765,
102.7977

■ 3.7631, 2.3080,
10.8610

■ 80.0266, 70.0613,
132.3491

■ 1.5690, 0.7779,
5.8605

■ 104.0063, 92.5064,
167.0819

■ 0.3721, 0.0000,
2.6930

132.3534,
119.2962, 207.4147

■ 0.0000, 0.0000,
0.9399

165.4331,

■ 0.0000, 0.0000,

150.8150, 253.7660

0.0000

203.6109,
187.4474, 306.5543

■ 20.4735, 16.0400,
41.0467

■ 20.4735, 16.0400,
41.0467

■ 17.5942, 12.4469,
40.5052

■ 23.8561, 20.4046,
41.7112

■ 15.1890, 9.5761,
40.0779

■ 27.7650, 25.5821,
42.5045

■ 13.2286, 7.3753,
39.7564

■ 32.2242, 31.6132,
43.4336

■ 11.6788, 5.7840,
39.5309

■ 37.2554, 38.5352,
44.5045

■ 10.4994, 4.7301,
39.3896

■ 42.8790, 46.3831,
45.7229

■ 9.8866, 4.2365,
39.3267

■ 49.1146, 55.1900,
47.0941

■ 55.9807, 64.9875,
48.6234

■ 63.4950, 75.8056,
50.3154

■ 71.6744, 87.6729,
52.1749

Harmonies

Analogous

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



16.3471, 16.0400, 49.4270



20.4735, 16.0400, 41.0467



23.5115, 16.0400, 27.0012

Triad

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



20.4735, 16.0400, 41.0467



18.2876, 16.0400, 3.9961



8.8503, 16.0400, 20.7314

Complementary

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



20.4735, 16.0400, 41.0467



28.0659, 36.1193, 16.8024

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.



9.1871, 16.0400, 10.4886



20.4735, 16.0400, 41.0467



14.1946, 16.0400, 3.5056

Square

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



20.4735, 16.0400, 41.0467



22.1042, 16.0400, 7.1294



10.9932, 16.0400, 5.2634



9.9764, 16.0400, 34.7853

Rectangle

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



20.4735, 16.0400, 41.0467



24.2527, 16.0400, 18.2114



10.9932, 16.0400, 5.2634



8.8006, 16.0400, 16.7389

Sweetspot

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



20.4741, 16.0406, 41.0471



58.7785, 57.7866, 78.8617



22.0497, 24.8665, 42.6676



12.3756, 12.0154, 17.0546



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.



20.4741, 16.0406, 41.0471



32.2415, 22.9762, 73.5413



27.1348, 19.4743, 41.3588



7.8708, 7.9077, 10.0642



7.4158, 3.1828, 29.2680



0.2691, 0.1209, 0.8171

Inverse Universe

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



26.1709, 19.2736, 27.9324



44.2050, 29.7790, 45.3925



22.6778, 33.3416, 16.5502



8.1994, 8.0930, 9.3606



14.5176, 7.2696, 10.3711



0.4299, 0.2127, 0.4257

Previews

White Background



This preview shows how the XYZ color 20.4735, 16.0400, 41.0467 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 20.4735, 16.0400, 41.0467 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 20.4735, 16.0400, 41.0467

Background



This preview shows how black text looks on a background with the XYZ color 20.4735, 16.0400, 41.0467.



This preview shows how white text looks on a background with the XYZ color 20.4735, 16.0400,

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

20.4735, 16.0400, 41.0467

Protanopia

17.4956, 16.1500, 46.9949

Deuteranopia

16.5020, 16.1183, 39.7775



Tritanopia

16.0748, 16.0272, 19.3859

Trichromacy



Original Color

20.4735, 16.0400, 41.0467

Protanomaly

18.2253, 15.9545, 44.7668

Deuteranomaly

17.6653, 15.9197, 40.1720

Tritanomaly

17.5242, 16.0031, 26.2100

Monochromacy



Original Color

20.4735, 16.0400, 41.0467

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.4142, 16.4246, 25.5450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4735, 16.0400, 41.0467 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, 97, 172)` looks like.

```
.text, #text, p{  
    color:rgb(127, 97, 172)  
}
```

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, 97, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 97, 172) }
```

Border

The CSS property to change the border of an element to XYZ 20.4735, 16.0400, 41.0467 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, 97, 172) }
```


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

```
.border{ border-color:rgb(127, 97, 172) }
```

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

Here you see how a box with a 4 pixel rgb(127, 97, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 97, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 97, 172);  
box-shadow:4px 4px 4px 4px rgb(127, 97,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4735, 16.0400, 41.0467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 97, 172) }
```

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

```
.background{ background-color: rgb(127, 97,  
172) }
```

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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