

Converting Colors

XYZ(47.1747, 32.4297, 80.1171)

Have a look what the booklet for
XYZ(47.1747, 32.4297, 80.1171)
contains.

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Color

**XYZ(47.1747, 32.4297,
80.1171)**

Conversions

Conversions Part 1

Format	Color
Hex	D077E8
RGB	208, 119, 232
RGB Percent	82%, 47%, 91%
CMY	0.1843, 0.5333, 0.0902
CMYK	0.10, 0.49, 0.00, 0.09
HSL	287°, 71%, 69%
HSV	287°, 49%, 91%
XYZ	47.1747, 32.4297, 80.1171
YIQ	158.4930, 16.7710, 54.0110

Conversions

Conversions Part 2

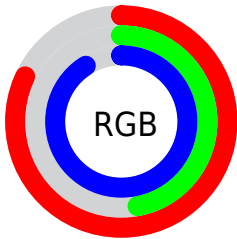
Format	Color
R _Y B	208, 119, 232
Decimal	13662184
CIE Lab	63.70, 52.36, -43.15
CIE LCh	64, 67.848, 320.506
Yxy	32.4297, 0.2954, 0.2030
Android (android.graphics.Color)	4291852264 (0xFFD077E8)
YUV	158.4930, 36.2390, 43.4176
Hunter-Lab	56.9471, 48.2112, -43.5503

Details

The XYZ color **47.1747, 32.4297, 80.1171** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **43.5150, 64.8855, 27.6848**, and the grayscale version is **32.5594, 34.2550, 37.3037**.

A 20% lighter version of the original color is **74.4261, 58.7521, 102.0254**, and **22.5472, 13.6103, 42.5130** is the 20% darker color. If you saturate the color by 10%, you get **43.3795, 26.8633, 79.2432**, and if you desaturate by 10%, it is **51.6891, 39.3687, 81.2190**.

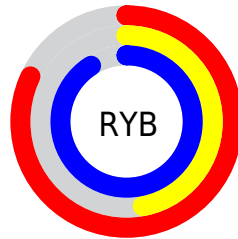
Distribution



Red (82%)

Green (47%)

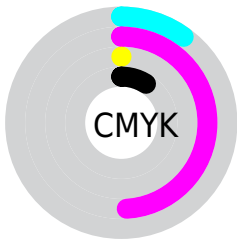
Blue (91%)



Red (82%)

Yellow (47%)

Blue (91%)

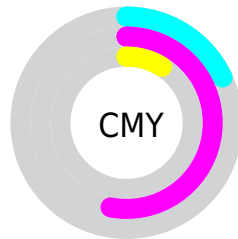


Cyan (10%)

Magenta (49%)

Yellow (0%)

Black (9%)



Cyan (18%)


Magenta (53%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1747, 32.4297, 80.1171 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 47.1747, 32.4297, 80.1171 by changing the saturation by 10% instead.


 47.1747, 32.4297,
80.1171


 47.1747, 32.4297,
80.1171

366.1487,
313.0720, 515.0446


 33.3823, 21.6899,
59.2880

 85.1915, 63.4841,
135.3432

 22.5801, 13.6292,
42.4235


 110.1466, 84.5675,
170.5773

 14.4028, 7.8632,
29.1050


 139.5533,
109.8676, 211.4502

 8.4849, 4.0076,
18.9140

173.7770,
139.7688, 258.3803

 4.4612, 1.6778,
11.4320

213.1831,
174.6554, 311.7863

 1.9662, 0.4092,
6.2404

258.1368,

 0.6149, 0.0000,

214.9119, 372.0866

2.9206

309.0035,
260.9227, 439.6999

■ 0.0000, 0.0000,
1.0543

■ 0.0000, 0.0000,
0.0000

■ 47.1747, 32.4297,
80.1171

■ 47.1747, 32.4297,
80.1171

■ 43.3795, 26.8633,
79.2432

■ 51.6891, 39.3687,
81.2190

■ 40.2497, 22.5652,
78.5786

■ 56.9644, 47.7660,
82.5618

■ 37.7293, 19.4232,
78.1049

■ 63.0431, 57.7052,
84.1599

■ 35.7507, 17.3026,
77.7999

■ 69.9636, 69.2623,
86.0259

34.2136, 16.0036,
77.6302

77.7617, 82.5084,
88.1717

34.0292, 15.8601,
77.6122

85.4399, 95.4483,
90.2646

87.1131, 96.3109,
90.3429

88.8319, 97.1970,
90.4234

90.5966, 98.1067,
90.5060

Harmonies

Analogous

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



37.6742, 32.4297, 110.4526



47.1747, 32.4297, 80.1171



52.5740, 32.4297, 44.6596

Triad

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



47.1747, 32.4297, 80.1171



33.9351, 32.4297, 4.7669



16.6865, 32.4297, 56.9857

Complementary

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



47.1747, 32.4297, 80.1171



43.5150, 64.8855, 27.6848

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.



16.0912, 32.4297, 27.3666



47.1747, 32.4297, 80.1171



24.8580, 32.4297, 5.4838

Square

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



47.1747, 32.4297, 80.1171



43.9593, 32.4297, 8.3732



18.7685, 32.4297, 11.3974



20.6058, 32.4297, 93.0083

Rectangle

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



47.1747, 32.4297, 80.1171



52.4940, 32.4297, 26.6059



18.7685, 32.4297, 11.3974



16.1275, 32.4297, 45.7324

Sweetspot

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



47.1759, 32.4311, 80.1178



81.1126, 76.4686, 105.0926



32.0696, 29.5399, 80.3559



16.9842, 15.7405, 22.3930



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



47.1759, 32.4311, 80.1178



53.9311, 33.5378, 98.2387



50.2998, 34.5200, 58.6463



14.6798, 14.4527, 18.1603



19.0010, 8.8613, 43.0921



1.4792, 0.6935, 3.1879

Inverse Universe

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



44.8344, 32.3338, 29.8658



51.1327, 33.6461, 28.0388



42.0527, 63.8709, 39.3985



14.5016, 14.4178, 15.5759



18.8235, 9.6636, 2.6993



1.4247, 0.7276, 0.3769

Previews

White Background



This preview shows how the XYZ color 47.1747, 32.4297, 80.1171 looks on a white background.

Color Contrast Check

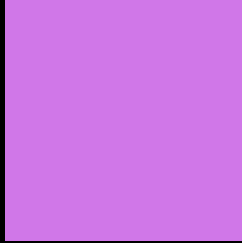
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 47.1747, 32.4297, 80.1171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

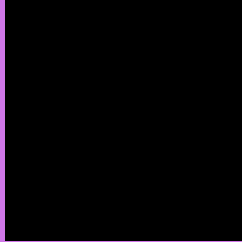
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.1747, 32.4297, 80.1171

Background



This preview shows how black text looks on a background with the XYZ color 47.1747, 32.4297, 80.1171.

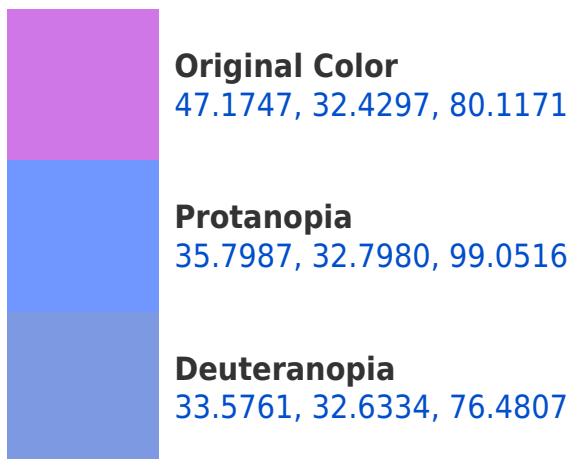


This preview shows how white text looks on a background with the XYZ color 47.1747, 32.4297,

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





Tritanopia

37.4224, 32.3709, 32.7096

Trichromacy



Original Color

47.1747, 32.4297, 80.1171



Protanomaly

38.0537, 31.3837, 92.0477



Deuteranomaly

37.0460, 31.6198, 77.5495



Tritanomaly

40.2074, 32.0366, 46.7123

Monochromacy



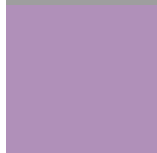
Original Color

47.1747, 32.4297, 80.1171



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

36.6347, 32.6794, 50.2758

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1747, 32.4297, 80.1171 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(208, 119, 232)` looks like.

```
.text, #text, p{  
    color:rgb(208, 119, 232)  
}
```

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(208, 119, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 119, 232) }
```

Border

The CSS property to change the border of an element to XYZ 47.1747, 32.4297, 80.1171 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(208, 119, 232) }
```


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

```
.border{ border-color:rgb(208, 119, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 119, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 119, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 119, 232);  
box-shadow:4px 4px 4px 4px rgb(208, 119,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1747, 32.4297, 80.1171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 119, 232) }
```

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

```
.background{ background-color: rgb(208,  
119, 232) }
```

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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