

Converting Colors

XYZ(48.2035, 33.1816, 77.4501)

Have a look what the booklet for
XYZ(48.2035, 33.1816, 77.4501)
contains.

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Color

**XYZ(48.1606, 33.1805,
77.2649)**

Conversions

Conversions Part 1

Format	Color
Hex	D578E4
RGB	213, 120, 228
RGB Percent	84%, 47%, 89%
CMY	0.1647, 0.5294, 0.1059
CMYK	0.07, 0.47, 0.00, 0.11
HSL	292°, 67%, 68%
HSV	292°, 47%, 89%
XYZ	48.1606, 33.1805, 77.2649
YIQ	160.1190, 20.7600, 53.3040

Conversions

Conversions Part 2

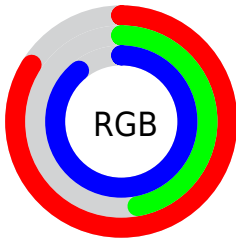
Format	Color
RYB	213, 120, 228
Decimal	13990116
CIELab	64.31, 52.47, -39.93
CIELCh	64, 65.932, 322.726
Yxy	33.1805, 0.3036, 0.2092
Android (android.graphics.Color)	4292180196 (0xFFD578E4)
YUV	160.1190, 33.4653, 46.3766
Hunter-Lab	57.6025, 48.4368, -39.2066

Details

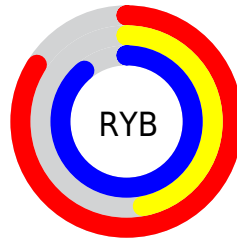
The XYZ color **48.1606, 33.1805, 77.2649** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **41.1263, 61.9946, 27.5694**, and the grayscale version is **33.3134, 35.0483, 38.1676**.

A 20% lighter version of the original color is **74.6200, 59.1399, 102.0900**, and **23.1639, 14.0608, 40.5229** is the 20% darker color. If you saturate the color by 10%, you get **44.8287, 27.8662, 76.4152**, and if you desaturate by 10%, it is **52.1655, 39.8124, 78.3344**.

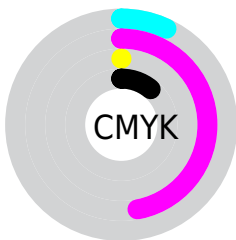
Distribution



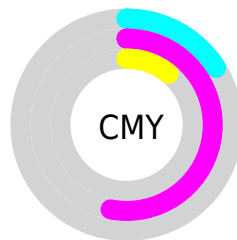
- Red (84%)
- Green (47%)
- Blue (89%)



- Red (84%)
- Yellow (47%)
- Blue (89%)



- Cyan (7%)
- Magenta (47%)
- Yellow (0%)
- Black (11%)





- Cyan (16%)
- Magenta (53%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.1606, 33.1805, 77.2649 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 48.1606, 33.1805, 77.2649 by changing the saturation by 10% instead.


 48.1606, 33.1805,
77.2649


 48.1606, 33.1805,
77.2649


370.0004,
316.4623, 505.1284


 34.1659, 22.2648,
56.9575

 86.6517, 64.6572,
131.2898

 23.1845, 14.0516,
40.5620


 111.8788, 85.9870,
165.8443

 14.8513, 8.1565,
27.6598


 141.5808,
111.5569, 205.9849

 8.8007, 4.1953,
17.8326

176.1229,
141.7514, 252.1301

 4.6675, 1.7834,
10.6617

215.8705,
176.9547, 304.6986

 2.0863, 0.4768,
5.7285

261.1891,

 0.6817, 0.0000,

217.5514, 364.1087

2.6146

312.4439,
263.9258, 430.7791

■ 0.0000, 0.0000,
0.9000

■ 0.0000, 0.0000,
0.0000

■ 48.1606, 33.1805,
77.2649

■ 48.1606, 33.1805,
77.2649

■ 44.8287, 27.8662,
76.4152

■ 52.1655, 39.8124,
78.3344

■ 42.1192, 23.7709,
75.7676


■ 56.8824, 47.8425,
79.6358


■ 39.9796, 20.7894,
75.3049


■ 62.3515, 57.3501,
81.1826


■ 38.3474, 18.7962,
75.0062


■ 68.6089, 68.4071,
82.9871


 37.1390, 17.6249,
74.8438


 75.6883, 81.0808,
85.0602

 36.8558, 17.3822,
74.8118

 83.0428, 94.2775,
87.2198

 84.0800, 94.8122,
87.2684

 85.1359, 95.3565,
87.3178

 86.2105, 95.9105,
87.3681

Harmonies

Analogous

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



39.0240, 33.1805, 107.7005



48.1606, 33.1805, 77.2649



53.0032, 33.1805, 43.0641

Triad

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



48.1606, 33.1805, 77.2649



33.8741, 33.1805, 5.3073



17.6645, 33.1805, 59.9596

Complementary

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



48.1606, 33.1805, 77.2649



41.1263, 61.9946, 27.5694

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.



16.8259, 33.1805, 29.9796



48.1606, 33.1805, 77.2649



25.0748, 33.1805, 6.3714

Square

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



48.1606, 33.1805, 77.2649



43.7583, 33.1805, 8.6552



19.2606, 33.1805, 13.0189



21.8338, 33.1805, 94.7249

Rectangle

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



48.1606, 33.1805, 77.2649



52.5835, 33.1805, 25.9093



19.2606, 33.1805, 13.0189



17.0225, 33.1805, 48.7319

Sweetspot

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



48.1618, 33.1819, 77.2656



82.8992, 78.3714, 105.3657



30.5830, 27.2608, 77.0492



17.3826, 16.1391, 22.4489



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.



48.1618, 33.1819, 77.2656



57.7875, 35.9268, 98.4966



48.0285, 33.6547, 52.7957



14.7880, 14.5084, 18.1653



21.3573, 10.0760, 43.2024



1.6327, 0.7726, 3.1951

Inverse Universe

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



43.0856, 31.6775, 26.7666



50.7966, 33.9438, 24.9363



41.6446, 61.9424, 42.0202



14.4581, 14.4004, 15.3468



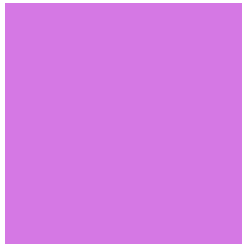
18.6483, 9.5935, 1.7768



1.4040, 0.7193, 0.2682

Previews

White Background



This preview shows how the XYZ color 48.1606, 33.1805, 77.2649 looks on a white background.

Color Contrast Check

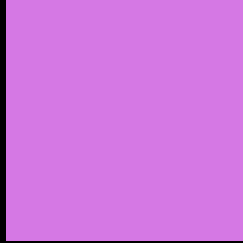
Large Text (above 18pt) WCAG AA × Fail

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 48.1606, 33.1805, 77.2649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

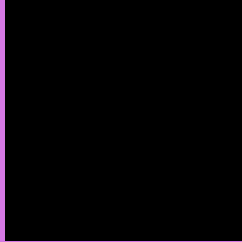
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1606, 33.1805, 77.2649

Background



This preview shows how black text looks on a background with the XYZ color 48.1606, 33.1805, 77.2649.



This preview shows how white text looks on a background with the XYZ color 48.1606, 33.1805,

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

48.1606, 33.1805, 77.2649

Protanopia

36.6437, 33.7155, 99.1841

Deuteranopia

34.4219, 33.6221, 73.7827



Tritanopia

38.8704, 32.9034, 32.7361

Trichromacy



Original Color

48.1606, 33.1805, 77.2649



Protanomaly

38.7688, 32.2216, 90.5623



Deuteranomaly

37.8255, 32.3049, 74.7629



Tritanomaly

41.6058, 32.5688, 46.2130

Monochromacy



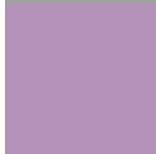
Original Color

48.1606, 33.1805, 77.2649



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

37.4728, 33.3373, 50.3587

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1606, 33.1805, 77.2649 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(213, 120, 228)` looks like.

```
.text, #text, p{  
    color:rgb(213, 120, 228)  
}
```

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(213, 120, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 120, 228) }
```

Border

The CSS property to change the border of an element to XYZ 48.1606, 33.1805, 77.2649 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(213, 120, 228) }
```


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

```
.border{ border-color:rgb(213, 120, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 120, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 120, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 120, 228);  
box-shadow:4px 4px 4px 4px rgb(213, 120,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1606, 33.1805, 77.2649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 120, 228) }
```

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

```
.background{ background-color: rgb(213,  
120, 228) }
```

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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