

Converting Colors

XYZ(33.0777, 23.4843, 65.0769)

Have a look what the booklet for
XYZ(33.0777, 23.4843, 65.0769)
contains.

XYZ(33.0777, 23.4843, 65.0769)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.0777, 23.4843,
65.0769)**

Conversions

Conversions Part 1

Format	Color
Hex	A76BD4
RGB	167, 107, 212
RGB Percent	65%, 42%, 83%
CMY	0.3451, 0.5804, 0.1686
CMYK	0.21, 0.50, 0.00, 0.17
HSL	274°, 55%, 63%
HSV	274°, 50%, 83%
XYZ	33.0777, 23.4843, 65.0769
YIQ	136.9100, 2.0550, 45.3750

Conversions

Conversions Part 2

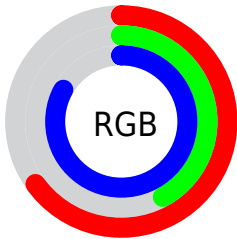
Format	Color
RYB	167, 107, 212
Decimal	10972116
CIELab	55.57, 43.22, -45.08
CIELCh	56, 62.445, 313.793
Yxy	23.4843, 0.2719, 0.1931
Android (android.graphics.Color)	4289162196 (0xFFA76BD4)
YUV	136.9100, 37.0194, 26.3889
Hunter-Lab	48.4606, 37.0325, -45.6971

Details

The XYZ color **33.0777, 23.4843, 65.0769** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **39.1467, 54.8244, 22.4296**, and the grayscale version is **23.6088, 24.8383, 27.0489**.

A 20% lighter version of the original color is **61.3613, 48.2089, 100.6789**, and **14.2310, 8.8053, 32.8478** is the 20% darker color. If you saturate the color by 10%, you get **29.2800, 18.6383, 64.3421**, and if you desaturate by 10%, it is **37.5538, 29.4852, 65.9997**.

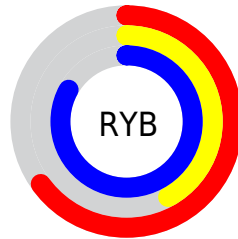
Distribution



Red (65%)

Green (42%)

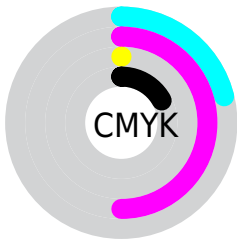
Blue (83%)



Red (65%)

Yellow (42%)

Blue (83%)

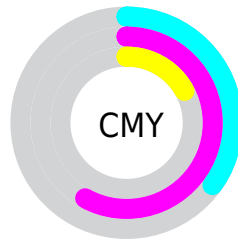


Cyan (21%)

Magenta (50%)

Yellow (0%)

Black (17%)



Cyan (35%)

Magenta (58%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0777, 23.4843, 65.0769 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 33.0777, 23.4843, 65.0769 by changing the saturation by 10% instead.

33.0777, 23.4843,
65.0769

33.0777, 23.4843,
65.0769

307.6585,
270.2028, 461.3820

22.3455, 14.9515,
47.0717

63.8507, 49.1873,
113.7747

14.2290, 8.7854,
32.7376

84.6222, 67.1264,
145.3045

8.3629, 4.6015,
21.6560

109.4708, 88.9696,
182.1794

4.3818, 2.0154,
13.4085

138.7619,
115.1015, 224.8182

1.9203, 0.6164,
7.5764

172.8609,
145.9063, 273.6393

0.5886, 0.0000,
3.7413

212.1331,

0.0000, 0.0000,

181.7686, 329.0613

1.4845

256.9438,
223.0726, 391.5027

■ 0.0000, 0.0000,
0.2063

■ 0.0000, 0.0000,
0.0000

■ 33.0777, 23.4843,
65.0769

■ 33.0777, 23.4843,
65.0769

■ 29.2800, 18.6383,
64.3421

■ 37.5538, 29.4852,
65.9997

■ 26.1150, 14.8623,
63.7801

■ 42.7445, 36.7120,
67.1210

■ 23.5347, 12.0641,
63.3759

■ 48.6865, 45.2332,
68.4526

■ 21.4821, 10.1333,
63.1115

■ 55.4128, 55.1113,
70.0047

19.8606, 8.8818,
62.9554

62.9544, 66.4047,
71.7871

19.7892, 8.8289,
62.9489

71.3406, 79.1682,
73.8087

80.4702, 93.1962,
76.0352

83.4727, 94.7440,
76.1757

86.6296, 96.3715,
76.3234

Harmonies

Analogous

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



25.7114, 23.4843, 84.8376



33.0777, 23.4843, 65.0769



38.0319, 23.4843, 38.0083

Triad

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



33.0777, 23.4843, 65.0769



26.3223, 23.4843, 3.4732



11.5751, 23.4843, 35.9876

Complementary

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



33.0777, 23.4843, 65.0769



39.1467, 54.8244, 22.4296

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.



11.6708, 23.4843, 16.1935



33.0777, 23.4843, 65.0769



19.2428, 23.4843, 3.3625

Square

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



33.0777, 23.4843, 65.0769



33.6054, 23.4843, 7.0149



14.1929, 23.4843, 6.5378



13.8964, 23.4843, 62.9448

Rectangle

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



33.0777, 23.4843, 65.0769



38.7626, 23.4843, 23.0873



14.1929, 23.4843, 6.5378



11.3435, 23.4843, 28.2254

Sweetspot

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



33.0786, 23.4852, 65.0774



78.2627, 74.9994, 104.9592



29.2574, 30.4992, 66.6327



16.2950, 15.3852, 22.3607



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.



33.0786, 23.4852, 65.0774



44.4219, 28.2463, 97.7185



43.4291, 28.9209, 61.0514



12.4151, 12.3554, 15.6680



12.3336, 5.5107, 38.8668



0.8378, 0.3808, 2.3487

Inverse Universe

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



38.0771, 26.7802, 32.8684



53.4099, 34.1373, 41.3237



32.6448, 51.4282, 24.1265



12.6420, 12.5083, 14.0548



17.9718, 9.1251, 7.1557



1.1250, 0.5668, 0.6475

Previews

White Background



This preview shows how the XYZ color 33.0777, 23.4843, 65.0769 looks on a white background.

Color Contrast Check

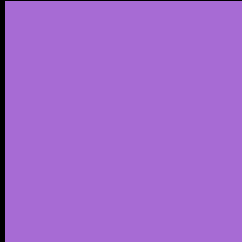
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the XYZ color 33.0777, 23.4843, 65.0769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

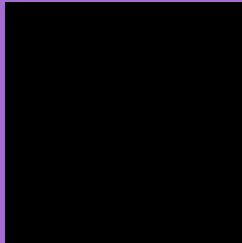
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.0777, 23.4843, 65.0769

Background



This preview shows how black text looks on a background with the XYZ color 33.0777, 23.4843, 65.0769.



This preview shows how white text looks on a background with the XYZ color 33.0777, 23.4843,

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

33.0777, 23.4843, 65.0769

Protanopia

26.5284, 23.8269, 80.2916

Deuteranopia

24.3693, 23.7129, 62.3241



Tritanopia

25.0332, 23.2865, 26.0970

Trichromacy



Original Color

33.0777, 23.4843, 65.0769

Protanomaly

27.6204, 23.0001, 74.2179

Deuteranomaly

26.6014, 23.0837, 63.3752

Tritanomaly

27.3874, 22.9721, 37.6409

Monochromacy



Original Color

33.0777, 23.4843, 65.0769

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

26.3744, 23.8979, 38.3446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0777, 23.4843, 65.0769 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(167, 107, 212)` looks like.

```
.text, #text, p{  
    color:rgb(167, 107, 212)  
}
```

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(167, 107, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 107, 212) }
```

Border

The CSS property to change the border of an element to XYZ 33.0777, 23.4843, 65.0769 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(167, 107, 212) }
```


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

```
.border{ border-color:rgb(167, 107, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 107, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 107, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 107, 212);  
box-shadow:4px 4px 4px 4px rgb(167, 107,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0777, 23.4843, 65.0769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 107, 212) }
```

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

```
.background{ background-color: rgb(167,  
107, 212) }
```

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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