

Converting Colors

XYZ(23.2567, 16.0452, 64.4527)

Have a look what the booklet for
XYZ(23.2567, 16.0452, 64.4527)
contains.

XYZ(23.1476, 15.9877, 64.1533)	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(23.1476, 15.9877,
64.1533)**

Conversions

Conversions Part 1

Format	Color
Hex	775AD4
RGB	119, 90, 212
RGB Percent	47%, 35%, 83%
CMY	0.5333, 0.6471, 0.1686
CMYK	0.44, 0.58, 0.00, 0.17
HSL	254°, 59%, 59%
HSV	254°, 58%, 83%
XYZ	23.1476, 15.9877, 64.1533
YIQ	112.5790, -21.8780, 44.0900

Conversions

Conversions Part 2

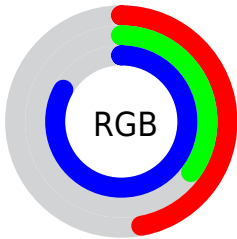
Format	Color
R_{YB}	119, 90, 212
Decimal	7822036
CIE _{Lab}	46.96, 40.87, -59.12
CIE _{LCh}	47, 71.871, 304.657
Yxy	15.9877, 0.2241, 0.1548
Android (android.graphics.Color)	4286012116 (0xFF775AD4)
YUV	112.5790, 49.0146, 5.6312
Hunter-Lab	39.9846, 33.3628, -67.1386

Details

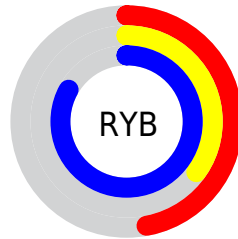
The XYZ color **23.1476, 15.9877, 64.1533** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted purple. A complement of this color would be **44.9168, 57.8924, 18.4800**, and the grayscale version is **15.4367, 16.2406, 17.6860**.

A 20% lighter version of the original color is **45.4794, 35.4999, 99.0629**, and **8.7532, 5.0483, 31.9656** is the 20% darker color. If you saturate the color by 10%, you get **19.5753, 11.8596, 63.5451**, and if you desaturate by 10%, it is **27.6083, 21.3308, 64.9499**.

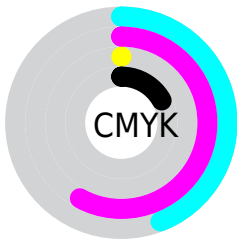
Distribution



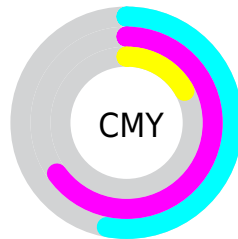
- Red (47%)
- Green (35%)
- Blue (83%)



- Red (47%)
- Yellow (35%)
- Blue (83%)



- Cyan (44%)
- Magenta (58%)
- Yellow (0%)
- Black (17%)



- Cyan (53%)
- Magenta (65%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1476, 15.9877, 64.1533 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 23.1476, 15.9877, 64.1533 by changing the saturation by 10% instead.

■ 23.1476, 15.9877,
64.1533

■ 23.1476, 15.9877,
64.1533

261.0034,
229.2691, 457.9657

■ 14.8238, 9.5154,
46.3279

■ 48.1004, 36.5769,
112.4333

■ 8.7813, 5.0789,
32.1541

■ 65.4602, 51.4625,
143.7249

■ 4.6548, 2.2936,
21.2134

■ 86.5627, 69.9215,
180.3423

■ 2.0788, 0.7703,
13.0873

■ 111.7733, 92.3381,
222.7041

■ 0.6777, 0.0000,
7.3573

■ 141.4573,
119.0968, 271.2288

■ 0.0000, 0.0000,
3.6047

175.9801,

■ 0.0000, 0.0000,

150.5819, 326.3350

1.4111

215.7070,
187.1779, 388.4411

■ 0.0000, 0.0000,
0.1504

■ 0.0000, 0.0000,
0.0000

■ 23.1476, 15.9877,
64.1533

■ 23.1476, 15.9877,
64.1533

■ 19.5753, 11.8596,
63.5451

■ 27.6083, 21.3308,
64.9499

■ 16.8255, 8.8460,
63.1084

■ 33.0123, 27.9754,
65.9476

■ 14.8258, 6.8318,
62.8250

■ 39.4125, 36.0016,
67.1595

■ 13.4811, 5.6608,
62.6698

■ 46.8572, 45.4826,
68.5971

■ 13.2189, 5.4418,
62.6414

■ 55.3912, 56.4864,
70.2712

■ 65.0570, 69.0766,
72.1920

■ 75.8945, 83.3132,
74.3687

■ 86.4562, 96.2821,
76.3153

■ 88.8837, 97.5335,
76.4289

Harmonies

Analogous

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



16.1974, 15.9877, 79.6176



23.1476, 15.9877, 64.1533



28.9276, 15.9877, 36.7990

Triad

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



23.1476, 15.9877, 64.1533



20.9717, 15.9877, 1.1276



6.0592, 15.9877, 20.3691

Complementary

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



23.1476, 15.9877, 64.1533



44.9168, 57.8924, 18.4800

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.



6.6876, 15.9877, 6.4057



23.1476, 15.9877, 64.1533



14.2364, 15.9877, 0.6522

Square

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



23.1476, 15.9877, 64.1533



27.4478, 15.9877, 4.2191



9.3121, 15.9877, 1.6438



7.2710, 15.9877, 45.4038

Rectangle

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



23.1476, 15.9877, 64.1533



30.6654, 15.9877, 20.8301



9.3121, 15.9877, 1.6438



6.0660, 15.9877, 14.3827

Sweetspot

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



23.1483, 15.9882, 64.1537



71.6167, 69.6548, 104.2778



33.1441, 41.0149, 68.4575



14.8067, 14.2402, 22.2182



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.



23.1483, 15.9882, 64.1537



28.7179, 16.8754, 96.3514



34.2386, 21.7055, 64.6727



12.0163, 12.1498, 15.6493



8.2356, 3.3981, 38.6750



0.5715, 0.2435, 2.3362

Inverse Universe

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



39.3547, 24.7284, 47.4969



56.0715, 31.6719, 66.2223



33.4910, 52.0021, 17.9453



12.8209, 12.5799, 14.9971



20.8069, 10.2591, 22.0847



1.2861, 0.6312, 1.4961

Previews

White Background



This preview shows how the XYZ color 23.1476, 15.9877, 64.1533 looks on a white background.

Color Contrast Check

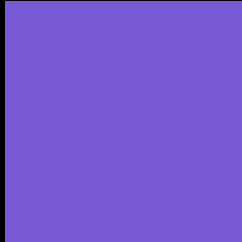
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1476, 15.9877, 64.1533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

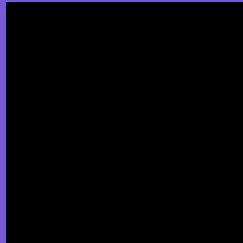
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.1476, 15.9877, 64.1533

Background



This preview shows how black text looks on a background with the XYZ color 23.1476, 15.9877, 64.1533.



This preview shows how white text looks on a background with the XYZ color 23.1476, 15.9877,

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

23.1476, 15.9877, 64.1533

Protanopia

19.2613, 16.1168, 75.4945

Deuteranopia

16.3305, 15.9804, 56.8674



Tritanopia

14.5222, 16.0061, 21.0630

Trichromacy



Original Color

23.1476, 15.9877, 64.1533



Protanomaly

18.8348, 15.0949, 71.0281



Deuteranomaly

16.9469, 14.9764, 59.1243



Tritanomaly

16.7937, 15.4730, 33.1118

Monochromacy



Original Color

23.1476, 15.9877, 64.1533



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

17.5466, 15.9179, 30.5814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1476, 15.9877, 64.1533 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(119, 90, 212)` looks like.

```
.text, #text, p{  
    color:rgb(119, 90, 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(119, 90, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 90, 212) }
```

Border

The CSS property to change the border of an element to XYZ 23.1476, 15.9877, 64.1533 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(119, 90, 212) }
```


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

```
.border{ border-color:rgb(119, 90, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 90, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 90, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 90, 212);  
box-shadow:4px 4px 4px 4px rgb(119, 90,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1476, 15.9877, 64.1533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 90, 212) }
```

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

```
.background{ background-color: rgb(119, 90,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor