

Converting Colors

XYZ(16.6617, 7.4999, 50.0040)

Have a look what the booklet for
XYZ(16.6617, 7.4999, 50.0040)
contains.

XYZ(16.6064, 7.4746, 49.8577)	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(16.6064, 7.4746,
49.8577)**

Conversions

Conversions Part 1

Format	Color
Hex	7400BF
RGB	116, 0, 191
RGB Percent	45%, 0%, 75%
CMY	0.5451, 1.0000, 0.2510
CMYK	0.39, 1.00, 0.00, 0.25
HSL	276°, 100%, 37%
HSV	276°, 100%, 75%
XYZ	16.6064, 7.4746, 49.8577
YIQ	56.4580, 7.8250, 83.9930

Conversions

Conversions Part 2

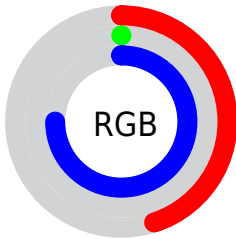
Format	Color
R_{YB}	116, 0, 191
Decimal	7602367
CIE _{Lab}	32.86, 68.90, -69.91
CIE _{LCh}	33, 98.154, 314.586
Yxy	7.4746, 0.2246, 0.1011
Android (android.graphics.Color)	4285792447 (0xFF7400BF)
YUV	56.4580, 66.3292, 52.2183
Hunter-Lab	27.3397, 60.5781, -88.9856

Details

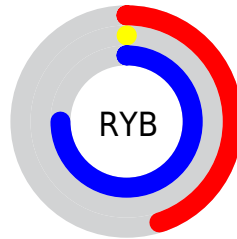
The XYZ color **16.6064, 7.4746, 49.8577** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **21.5323, 38.7575, 6.3461**, and the grayscale version is **3.7346, 3.9291, 4.2788**.

A 20% lighter version of the original color is **37.2942, 20.9857, 91.7076**, and **6.0195, 2.5898, 23.4752** is the 20% darker color. If you saturate the color by 10%, you get **16.6068, 7.4748, 49.8579**, and if you desaturate by 10%, it is **17.8791, 8.4789, 49.9846**.

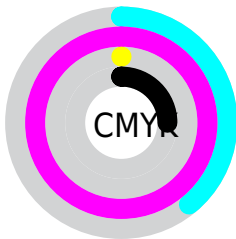
Distribution



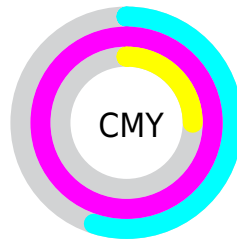
- Red (45%)
- Green (0%)
- Blue (75%)



- Red (45%)
- Yellow (0%)
- Blue (75%)



- Cyan (39%)
- Magenta (100%)
- Yellow (0%)
- Black (25%)





- Cyan (55%)
- Magenta (100%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6064, 7.4746, 49.8577 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 16.6064, 7.4746, 49.8577 by changing the saturation by 10% instead.

 16.6064, 7.4746,
49.8577


 16.6064, 7.4746,
49.8577


226.0946,
171.5510, 402.8283


 10.0478, 3.7606,
34.9300


 37.1968, 20.9218,
91.3581


 5.4932, 1.5406,
23.3258


 51.9593, 31.4238,
118.7679


 2.5771, 0.3170,
14.6267


 70.1872, 44.9574,
151.1754

 0.9343, 0.0000,
8.4141

 92.2458, 61.9068,
188.9993

 0.0000, 0.0000,
4.2695

 118.5005, 82.6564,
232.6579


 0.0000, 0.0000,
1.7743

 149.3166,

 0.0000, 0.0000,

107.5908, 282.5700


0.4109

 185.0595,
137.0941, 339.1539

 0.0000, 0.0000,
0.0000


 16.6064, 7.4746,
49.8577


 16.6064, 7.4746,
49.8577


 16.6068, 7.4748,
49.8579

 17.8791, 8.4789,
49.9846

 19.4640, 9.9862,
50.1921

 21.4465, 12.1639,
50.5079

 23.8705, 15.0970,
50.9463

 26.7732, 18.8577,
51.5192

■ 30.1875, 23.5094,
52.2371

■ 34.1431, 29.1091,
53.1095

■ 38.6673, 35.7090,
54.1449

■ 43.7854, 43.3576,
55.3515

Harmonies

Analogous

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



9.9107, 7.4746, 78.3734



16.6064, 7.4746, 49.8577



21.6256, 7.4746, 18.2825

Triad

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



16.6064, 7.4746, 49.8577



10.0849, 7.4746, 0.0000



1.1755, 7.4746, 17.6093

Complementary

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



16.6064, 7.4746, 49.8577



21.5323, 38.7575, 6.3461

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.



1.1867, 7.4746, 2.6774



16.6064, 7.4746, 49.8577



4.8852, 7.4746, 0.0000

Square

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



16.6064, 7.4746, 49.8577



16.7860, 7.4746, 0.0000



2.1642, 7.4746, 0.0000



2.1186, 7.4746, 48.8900

Rectangle

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



16.6064, 7.4746, 49.8577



22.3165, 7.4746, 6.0696



2.1642, 7.4746, 0.0000



1.0907, 7.4746, 10.6312

Sweetspot

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



16.6069, 7.4748, 49.8579



60.7911, 51.6181, 95.0384



12.0161, 8.9858, 50.3915



12.6628, 10.3557, 20.7167



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



16.6069, 7.4748, 49.8579



29.4620, 13.2426, 89.2824



28.9228, 14.0511, 40.1673



9.5574, 9.5042, 12.0030



11.0063, 4.9600, 32.7702



0.5026, 0.2311, 1.2870

Inverse Universe

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



22.7559, 11.5844, 7.6928



40.6448, 20.7032, 13.1934



18.7493, 37.3091, 6.8338



9.6811, 9.5967, 10.7098



14.9919, 7.6279, 5.2510



0.6196, 0.3117, 0.3758

Previews

White Background



This preview shows how the XYZ color 16.6064, 7.4746, 49.8577 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

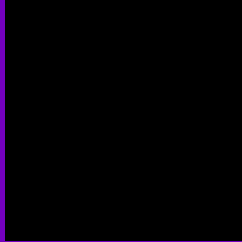
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6064, 7.4746, 49.8577

Background



This preview shows how black text looks on a background with the XYZ color 16.6064, 7.4746, 49.8577.



This preview shows how white text looks on a background with the XYZ color 16.6064, 7.4746, 49.8577.

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

16.6064, 7.4746, 49.8577

Protanopia

9.1755, 7.9164, 35.2268

Deuteranopia

7.6775, 7.8987, 25.5460



Tritanopia

8.4782, 7.9385, 8.6748

Trichromacy



Original Color

16.6064, 7.4746, 49.8577

Protanomaly

9.5960, 5.7060, 40.1308

Deuteranomaly

8.3544, 5.4168, 32.9530

Tritanomaly

9.8139, 6.2367, 18.4558

Monochromacy



Original Color

16.6064, 7.4746, 49.8577

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

6.3226, 3.9014, 13.7844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6064, 7.4746, 49.8577 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(116, 0, 191)` looks like.

```
.text, #text, p{  
    color:rgb(116, 0, 191)  
}
```

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(116, 0, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 0, 191) }
```

Border

The CSS property to change the border of an element to XYZ 16.6064, 7.4746, 49.8577 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(116, 0, 191) }
```


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

```
.border{ border-color:rgb(116, 0, 191) }
```

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

Here you see how a box with a 4 pixel rgb(116, 0, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 0, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 0, 191);  
box-shadow:4px 4px 4px 4px rgb(116, 0,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6064, 7.4746, 49.8577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 0, 191) }
```

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

```
.background{ background-color: rgb(116, 0,  
191) }
```

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](#)