

Converting Colors

XYZ(16.4560, 7.6348, 45.6828)

Have a look what the booklet for
XYZ(16.4560, 7.6348, 45.6828)
contains.

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Color

**XYZ(16.4951, 7.6491,
45.9544)**

Conversions

Conversions Part 1

Format	Color
Hex	7809B8
RGB	120, 9, 184
RGB Percent	47%, 4%, 72%
CMY	0.5294, 0.9647, 0.2784
CMYK	0.35, 0.95, 0.00, 0.28
HSL	278°, 91%, 38%
HSV	278°, 95%, 72%
XYZ	16.4951, 7.6491, 45.9544
YIQ	62.1390, 9.9810, 77.9570

Conversions

Conversions Part 2

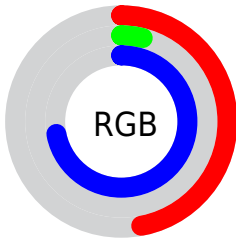
Format	Color
RYB	120, 9, 184
Decimal	7866808
CIELab	33.24, 66.65, -65.12
CIELCh	33, 93.183, 315.664
Yxy	7.6491, 0.2353, 0.1091
Android (android.graphics.Color)	4286056888 (0xFF7809B8)
YUV	62.1390, 60.0775, 50.7441
Hunter-Lab	27.6570, 58.0606, -79.1553

Details

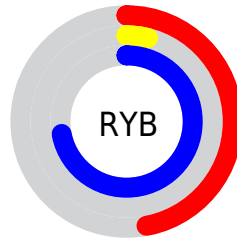
The XYZ color **16.4951, 7.6491, 45.9544** is a dark color, and the websafe version is hex **9900CC**. A complement of this color would be **19.9374, 35.7172, 6.1018**, and the grayscale version is **4.5141, 4.7492, 5.1719**.

A 20% lighter version of the original color is **36.9617, 21.2646, 85.3755**, and **5.9537, 2.6038, 21.3079** is the 20% darker color. If you saturate the color by 10%, you get **15.9491, 7.2226, 45.9010**, and if you desaturate by 10%, it is **17.7654, 8.7545, 46.1010**.

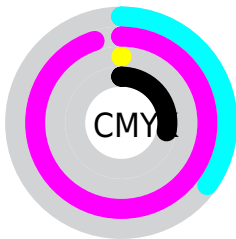
Distribution



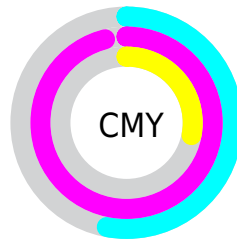
- Red (47%)
- Green (4%)
- Blue (72%)



- Red (47%)
- Yellow (4%)
- Blue (72%)



- Cyan (35%)
- Magenta (95%)
- Yellow (0%)
- Black (28%)



- Cyan (53%)
- Magenta (96%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4951, 7.6491, 45.9544 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 16.4951, 7.6491, 45.9544 by changing the saturation by 10% instead.

■ 16.4951, 7.6491,
45.9544

■ 16.4951, 7.6491,
45.9544

■ 225.4592,
172.9533, 386.8975

■ 9.9682, 3.8712,
31.8614

■ 37.0062, 21.2676,
85.4843

■ 5.4400, 1.6018,
20.9917

■ 51.7211, 31.8771,
111.7583

■ 2.5451, 0.3588,
12.9268

■ 69.8960, 45.5325,
142.9298

■ 0.9180, 0.0000,
7.2480

■ 91.8964, 62.6183,
179.4172

■ 0.0000, 0.0000,
3.5369

■ 118.0875, 83.5189,
221.6392


■ 0.0000, 0.0000,
1.3749


■ 148.8348,

■ 0.0000, 0.0000,

108.6186, 270.0142


0.1220

 184.5036,
138.3020, 324.9608


 0.0000, 0.0000,
0.0000


 16.4951, 7.6491,
45.9544


 16.4951, 7.6491,
45.9544


 15.9491, 7.2226,
45.9010

 17.7654, 8.7545,
46.1010

 19.3667, 10.4232,
46.3387

 21.3436, 12.7421,
46.6821

 23.7325, 15.7817,
47.1429

 26.5649, 19.6036,
47.7313

■ 29.8689, 24.2623,
48.4564

■ 33.6702, 29.8074,
49.3263

■ 37.9925, 36.2846,
50.3487

■ 42.8578, 43.7364,
51.5307

Harmonies

Analogous

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



10.1742, 7.6491, 72.4704



16.4951, 7.6491, 45.9544



21.0535, 7.6491, 17.1316

Triad

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



16.4951, 7.6491, 45.9544



9.9083, 7.6491, 0.0000



1.3986, 7.6491, 18.1438

Complementary

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



16.4951, 7.6491, 45.9544



19.9374, 35.7172, 6.1018

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.



1.3795, 7.6491, 3.2164



16.4951, 7.6491, 45.9544



4.9792, 7.6491, 0.0000

Square

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



16.4951, 7.6491, 45.9544



16.2256, 7.6491, 0.0000



2.3468, 7.6491, 0.0000



2.4215, 7.6491, 47.3720

Rectangle

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



16.4951, 7.6491, 45.9544



21.5685, 7.6491, 5.9046



2.3468, 7.6491, 0.0000



1.2982, 7.6491, 11.3389

Sweetspot

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



16.4955, 7.6493, 45.9546



57.9065, 49.4312, 88.6938



11.1580, 8.3058, 46.3626



11.8668, 9.7610, 18.9802



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



16.4955, 7.6493, 45.9546



28.6403, 12.9529, 83.1952



26.2686, 12.9472, 34.6790



9.0538, 8.9941, 11.3383



11.0718, 5.0189, 31.6383



0.4558, 0.2107, 1.1184

Inverse Universe

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



21.0674, 10.8668, 7.2901



37.5807, 19.1717, 10.8783



17.5185, 34.4453, 7.1157



9.1367, 9.0651, 10.0674



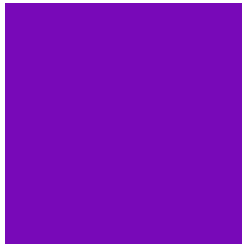
14.3590, 7.3174, 4.5114



0.5365, 0.2701, 0.3184

Previews

White Background



This preview shows how the XYZ color 16.4951, 7.6491, 45.9544 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

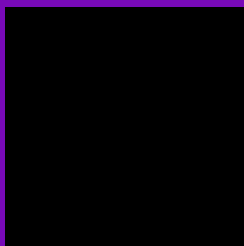
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4951, 7.6491, 45.9544

Background



This preview shows how black text looks on a background with the XYZ color 16.4951, 7.6491, 45.9544.



This preview shows how white text looks on a background with the XYZ color 16.4951, 7.6491,

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

16.4951, 7.6491, 45.9544

Protanopia

9.1755, 7.9164, 35.2268

Deuteranopia

7.7509, 7.9280, 25.9327



Tritanopia

8.9480, 7.8941, 8.2598

Trichromacy



Original Color

16.4951, 7.6491, 45.9544



Protanomaly

9.5224, 5.8937, 38.6659



Deuteranomaly

8.4056, 5.6681, 32.1035



Tritanomaly

10.3726, 6.6068, 17.5582

Monochromacy



Original Color

16.4951, 7.6491, 45.9544



Achromatopsia

4.5787, 4.8172, 5.2459



Achromatomaly

7.0327, 4.6074, 14.1543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4951, 7.6491, 45.9544 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(120, 9, 184)` looks like.

```
.text, #text, p{  
    color:rgb(120, 9, 184)  
}
```

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(120, 9, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 9, 184) }
```

Border

The CSS property to change the border of an element to XYZ 16.4951, 7.6491, 45.9544 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(120, 9, 184) }
```


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

```
.border{ border-color:rgb(120, 9, 184) }
```

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

Here you see how a box with a 4 pixel rgb(120, 9, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 9, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 9, 184);  
box-shadow:4px 4px 4px 4px rgb(120, 9,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4951, 7.6491, 45.9544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 9, 184) }
```

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

```
.background{ background-color: rgb(120, 9,  
184) }
```

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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