

Converting Colors

XYZ(10.0290, 4.9040, 12.4945)

Have a look what the booklet for
XYZ(10.0290, 4.9040, 12.4945)
contains.

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Color

**XYZ(10.0460, 4.9132,
12.4754)**

Conversions

Conversions Part 1

Format	Color
Hex	780064
RGB	120, 0, 100
RGB Percent	47%, 0%, 39%
CMY	0.5294, 1.0000, 0.6078
CMYK	0.00, 1.00, 0.17, 0.53
HSL	310°, 100%, 24%
HSV	310°, 100%, 47%
XYZ	10.0460, 4.9132, 12.4754
YIQ	47.2800, 39.4200, 56.5400

Conversions

Conversions Part 2

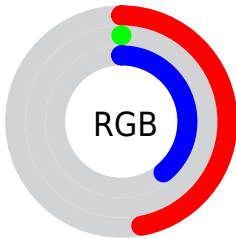
Format	Color
R_{YB}	120, 0, 100
Decimal	7864420
CIE _{Lab}	26.49, 53.27, -23.89
CIE _{LCh}	26, 58.385, 335.849
Yxy	4.9132, 0.3662, 0.1791
Android (android.graphics.Color)	4286054500 (0xFF780064)
YUV	47.2800, 25.9910, 63.7754
Hunter-Lab	22.1657, 42.1101, -17.8538

Details

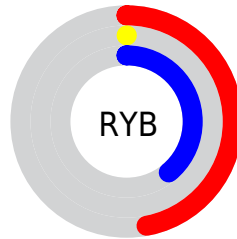
The XYZ color **10.0460, 4.9132, 12.4754** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **6.8430, 13.4837, 2.9043**, and the grayscale version is **2.7026, 2.8434, 3.0964**.

A 20% lighter version of the original color is **25.6185, 15.7207, 30.9623**, and **2.9573, 1.4503, 3.4922** is the 20% darker color. If you saturate the color by 10%, you get **10.0460, 4.9132, 12.4750**, and if you desaturate by 10%, it is **10.2757, 5.2156, 13.0356**.

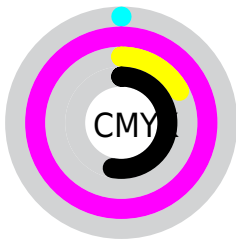
Distribution



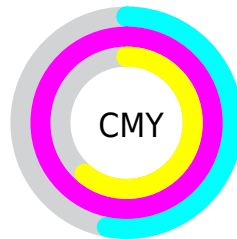
- Red (47%)
- Green (0%)
- Blue (39%)



- Red (47%)
- Yellow (0%)
- Blue (39%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (53%)



- Cyan (53%)
- Magenta (100%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0460, 4.9132, 12.4754 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 10.0460, 4.9132, 12.4754 by changing the saturation by 10% instead.

10.0460, 4.9132,
12.4754

10.0460, 4.9132,
12.4754

185.0468,
148.9828, 218.6161

5.4920, 2.1964,
6.9419

25.5309, 15.6306,
31.0353

2.5764, 0.7180,
3.3479

37.1924, 24.4000,
44.8987

0.9339, 0.0000,
1.2749

51.9539, 35.9557,
62.3758

0.0000, 0.0000,
0.0411


70.1806, 50.6821,
83.8852


0.0000, 0.0000,
0.0000

92.2378, 68.9636,
109.8454


118.4911, 91.1847,

140.6749


 149.3056,
117.7296, 176.7923


 10.0460, 4.9132,
12.4754


 10.0460, 4.9132,
12.4754

 10.0460, 4.9132,
12.4750

 10.2757, 5.2156,
13.0356

 10.5714, 5.6463,
13.6295

 10.9786, 6.2962,
14.2725

 11.5101, 7.1907,
14.9689

 12.1768, 8.3518,
15.7225

■ 12.9886, 9.7992,
16.5365

■ 13.9544, 11.5505,
17.4141

■ 15.0822, 13.6220,
18.3580

■ 16.3797, 16.0288,
19.3708

Harmonies

Analogous

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



7.8045, 4.9132, 23.8592



10.0460, 4.9132, 12.4754



10.6713, 4.9132, 4.1490

Triad

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



10.0460, 4.9132, 12.4754



4.2293, 4.9132, 0.0000



1.9045, 4.9132, 16.8823

Complementary

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



10.0460, 4.9132, 12.4754



6.8430, 13.4837, 2.9043

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.



1.4868, 4.9132, 6.7620



10.0460, 4.9132, 12.4754



2.5120, 4.9132, 0.0000

Square

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



10.0460, 4.9132, 12.4754



6.7460, 4.9132, 0.0000



1.6650, 4.9132, 1.6372



3.0704, 4.9132, 27.5685

Rectangle

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



10.0460, 4.9132, 12.4754



9.9530, 4.9132, 1.4861



1.6650, 4.9132, 1.6372



1.6933, 4.9132, 13.0896

Sweetspot

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



10.0462, 4.9135, 12.4755



24.4070, 20.0668, 30.5092



3.6790, 1.5051, 17.8661



5.6411, 4.4951, 7.1032



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



10.0462, 4.9135, 12.4755



17.6273, 8.6247, 21.7220



8.1291, 4.1466, 2.3801



4.1272, 4.0666, 4.8673



10.9551, 5.3582, 13.5862



51.9871, 25.4512, 63.3873

Inverse Universe

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



10.0462, 4.9135, 12.4755



17.6273, 8.6247, 21.7220



8.1648, 14.0124, 9.8645



4.1272, 4.0666, 4.8673



10.9551, 5.3582, 13.5862



51.9871, 25.4512, 63.3873

Previews

White Background



This preview shows how the XYZ color 10.0460, 4.9132, 12.4754 looks on a white background.

Color Contrast Check

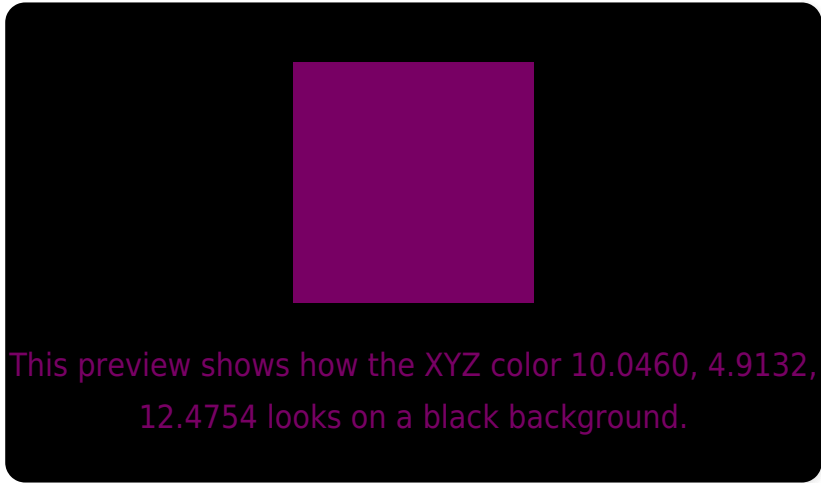
Large Text (above 18pt) WCAG AA ✓ Pass

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

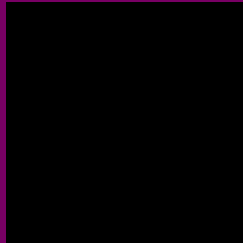
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.0460, 4.9132, 12.4754

Background



This preview shows how black text looks on a background with the XYZ color 10.0460, 4.9132, 12.4754.



This preview shows how white text looks on a background with the XYZ color 10.0460, 4.9132,

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

10.0460, 4.9132, 12.4754

Protanopia

6.2773, 5.4444, 24.0126

Deuteranopia

5.5995, 5.5453, 11.3649



Tritanopia

8.2137, 5.2630, 2.7734

Trichromacy



Original Color

10.0460, 4.9132, 12.4754

Protanomaly

5.4068, 3.5514, 19.1394

Deuteranomaly

6.1637, 4.1627, 11.5450

Tritanomaly

8.5810, 4.8361, 5.1838

Monochromacy



Original Color

10.0460, 4.9132, 12.4754

Achromatopsia

2.7019, 2.8426, 3.0956

Achromatomaly

4.2717, 2.7777, 5.4653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0460, 4.9132, 12.4754 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, 0, 100)` looks like.

```
.text, #text, p{  
    color:rgb(120, 0, 100)  
}
```

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, 0, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 0, 100) }
```

Border

The CSS property to change the border of an element to XYZ 10.0460, 4.9132, 12.4754 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, 0, 100) }
```


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

```
.border{ border-color:rgb(120, 0, 100) }
```

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

Here you see how a box with a 4 pixel rgb(120, 0, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 0, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 0, 100);  
box-shadow:4px 4px 4px 4px rgb(120, 0,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0460, 4.9132, 12.4754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 0, 100) }
```

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

```
.background{ background-color: rgb(120, 0,  
100) }
```

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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