

Converting Colors

XYZ(10.2568, 4.4676, 38.7749)

Have a look what the booklet for
XYZ(10.2568, 4.4676, 38.7749)
contains.

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Color

**XYZ(10.2740, 4.4795,
38.8512)**

Conversions

Conversions Part 1

Format	Color
Hex	4B02AB
RGB	75, 2, 171
RGB Percent	29%, 1%, 67%
CMY	0.7059, 0.9922, 0.3294
CMYK	0.56, 0.99, 0.00, 0.33
HSL	266°, 98%, 34%
HSV	266°, 99%, 67%
XYZ	10.2740, 4.4795, 38.8512
YIQ	43.0930, -10.7410, 68.0350

Conversions

Conversions Part 2

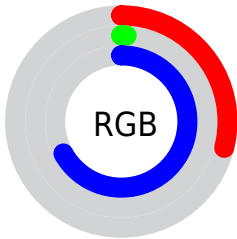
Format	Color
R _Y B	75, 2, 171
Decimal	4915883
CIE Lab	25.20, 60.60, -70.83
CIE LCh	25, 93.216, 310.553
Yxy	4.4795, 0.1917, 0.0836
Android (android.graphics.Color)	4283105963 (0xFF4B02AB)
YUV	43.0930, 63.0582, 27.9824
Hunter-Lab	21.1648, 49.6104, -94.0203

Details

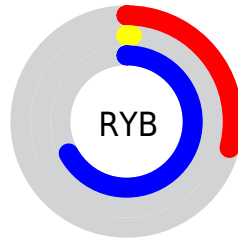
The XYZ color **10.2740, 4.4795, 38.8512** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **19.6097, 31.7263, 5.1475**, and the grayscale version is **2.2469, 2.3640, 2.5743**.

A 20% lighter version of the original color is **25.9435, 14.6488, 74.8589**, and **3.2109, 1.2844, 16.9083** is the 20% darker color. If you saturate the color by 10%, you get **10.1649, 4.3911, 38.8400**, and if you desaturate by 10%, it is **11.3058, 5.3273, 38.9606**.

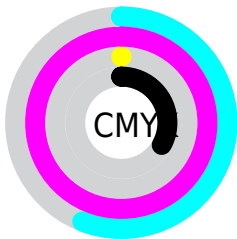
Distribution



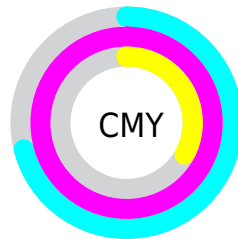
- Red (29%)
- Green (1%)
- Blue (67%)



- Red (29%)
- Yellow (1%)
- Blue (67%)



- Cyan (56%)
- Magenta (99%)
- Yellow (0%)
- Black (33%)



- Cyan (71%)
- Magenta (99%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2740, 4.4795, 38.8512 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 10.2740, 4.4795, 38.8512 by changing the saturation by 10% instead.

10.2740, 4.4795,
38.8512

10.2740, 4.4795,
38.8512

186.6297,
144.6771, 356.6645

5.6447, 1.9452,
26.3370

25.9546, 14.6832,
74.6288

2.6688, 0.5754,
16.8479

37.7366, 23.1214,
98.7293

0.9812, 0.0000,
9.9653

52.6336, 34.2965,
127.5290

0.0000, 0.0000,
5.2707

71.0108, 48.5927,
161.4465

0.0000, 0.0000,
2.3454

93.2337, 66.3944,
200.9002


0.0000, 0.0000,
0.7565


119.6675, 88.0862,

0.0000, 0.0000,


246.3088

0.0000

 150.6777,
114.0523, 298.0907


 10.2740, 4.4795,
38.8512


 10.2740, 4.4795,
38.8512


 10.1649, 4.3911,
38.8400

 11.3058, 5.3273,
38.9606

 12.6478, 6.6162,
39.1387

 14.3627, 8.4649,
39.4051

 16.4862, 10.9377,
39.7705

 19.0489, 14.0898,
40.2438

■ 22.0783, 17.9702,
40.8332

■ 25.5993, 22.6232,
41.5457

■ 29.6350, 28.0895,
42.3881

■ 34.2069, 34.4068,
43.3665

Harmonies

Analogous

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



5.6075, 4.4795, 58.5844



10.2740, 4.4795, 38.8512



14.2261, 4.4795, 14.4705

Triad

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



10.2740, 4.4795, 38.8512



6.9028, 4.4795, 0.0000



0.4143, 4.4795, 9.3075

Complementary

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



10.2740, 4.4795, 38.8512



19.6097, 31.7263, 5.1475

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.



0.5056, 4.4795, 0.8676



10.2740, 4.4795, 38.8512



3.1439, 4.4795, 0.0000

Square

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



10.2740, 4.4795, 38.8512



11.6542, 4.4795, 0.0000



1.2169, 4.4795, 0.0000



0.9249, 4.4795, 31.0442

Rectangle

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



10.2740, 4.4795, 38.8512



15.0975, 4.4795, 4.6943



1.2169, 4.4795, 0.0000



0.3759, 4.4795, 5.0653

Sweetspot

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



10.2743, 4.4796, 38.8513



44.7136, 39.0030, 74.1736



11.9887, 12.1793, 40.2472



9.3853, 7.9209, 16.4219



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



10.2743, 4.4796, 38.8513



17.9717, 7.7440, 69.5494



21.2606, 10.1432, 39.3655



7.8948, 7.9201, 10.0653



7.7210, 3.3402, 29.2823



0.2783, 0.1256, 0.8176

Inverse Universe

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



19.0204, 9.5829, 12.3997



33.8449, 17.0125, 21.2422



14.7889, 29.2411, 4.9219



8.1886, 8.0887, 9.3041



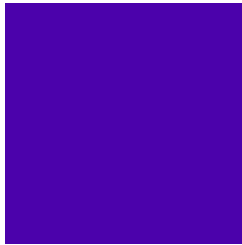
14.3185, 7.1899, 9.3226



0.4251, 0.2107, 0.4002

Previews

White Background



This preview shows how the XYZ color 10.2740, 4.4795, 38.8512 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

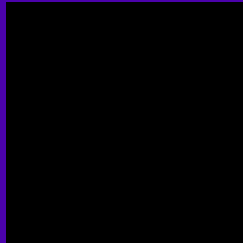
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.2740, 4.4795, 38.8512

Background



This preview shows how black text looks on a background with the XYZ color 10.2740, 4.4795, 38.8512.



This preview shows how white text looks on a background with the XYZ color 10.2740, 4.4795,

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

10.2740, 4.4795, 38.8512

Protanopia

5.3818, 4.7381, 20.3696

Deuteranopia

4.5402, 4.7495, 14.8648



Tritanopia

4.0136, 4.9135, 6.8678

Trichromacy



Original Color

10.2740, 4.4795, 38.8512

Protanomaly

6.0600, 3.6370, 25.9738

Deuteranomaly

5.3417, 3.4576, 21.8586

Tritanomaly

4.9868, 3.5405, 14.6079

Monochromacy



Original Color

10.2740, 4.4795, 38.8512

Achromatopsia

2.2962, 2.4158, 2.6308

Achromatomaly

3.8363, 2.3809, 9.9302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2740, 4.4795, 38.8512 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(75, 2, 171)` looks like.

```
.text, #text, p{  
    color:rgb(75, 2, 171)  
}
```

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(75, 2, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 2, 171) }
```

Border

The CSS property to change the border of an element to XYZ 10.2740, 4.4795, 38.8512 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(75, 2, 171) }
```


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

```
.border{ border-color:rgb(75, 2, 171) }
```

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

Here you see how a box with a 4 pixel rgb(75, 2, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 2, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 2, 171);  
box-shadow:4px 4px 4px 4px rgb(75, 2, 171)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.2740, 4.4795, 38.8512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 2, 171) }
```

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

```
.background{ background-color: rgb(75, 2,  
171) }
```

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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