

Converting Colors

XYZ(12.5592, 7.7078, 41.0076)

Have a look what the booklet for
XYZ(12.5592, 7.7078, 41.0076)
contains.

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Color

**XYZ(12.5338, 7.6782,
40.8658)**

Conversions

Conversions Part 1

Format	Color
Hex	5238AE
RGB	82, 56, 174
RGB Percent	32%, 22%, 68%
CMY	0.6784, 0.7804, 0.3176
CMYK	0.53, 0.68, 0.00, 0.32
HSL	253°, 51%, 45%
HSV	253°, 68%, 68%
XYZ	12.5338, 7.6782, 40.8658
YIQ	77.2260, -22.3820, 42.2100

Conversions

Conversions Part 2

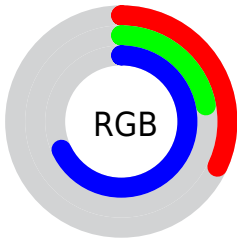
Format	Color
R_{YB}	82, 56, 174
Decimal	5388462
CIE _{Lab}	33.30, 41.98, -59.26
CIE _{LCh}	33, 72.624, 305.316
Yxy	7.6782, 0.2052, 0.1257
Android (android.graphics.Color)	4283578542 (0xFF5238AE)
YUV	77.2260, 47.7096, 4.1868
Hunter-Lab	27.7096, 32.2487, -68.0436

Details

The XYZ color **12.5338, 7.6782, 40.8658** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **28.0622, 36.8534, 9.3758**, and the grayscale version is **7.0134, 7.3787, 8.0354**.

A 20% lighter version of the original color is **29.9820, 21.3053, 77.3950**, and **3.6005, 1.6095, 17.8902** is the 20% darker color. If you saturate the color by 10%, you get **10.7671, 5.7257, 40.5822**, and if you desaturate by 10%, it is **14.8276, 10.3374, 41.2584**.

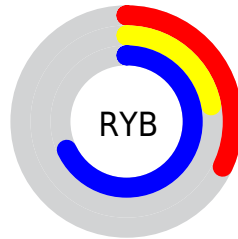
Distribution



Red (32%)

Green (22%)

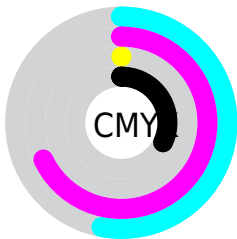
Blue (68%)



Red (32%)

Yellow (22%)

Blue (68%)

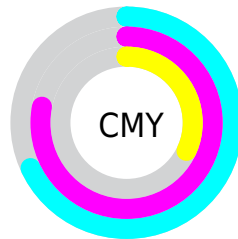


Cyan (53%)

Magenta (68%)

Yellow (0%)

Black (32%)



Cyan (68%)

Magenta (78%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5338, 7.6782, 40.8658 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 12.5338, 7.6782, 40.8658 by changing the saturation by 10% instead.

■ 12.5338, 7.6782,
40.8658

■ 12.5338, 7.6782,
40.8658

201.6064,
173.1858, 365.4194

■ 7.1831, 3.8897,
27.8953

■ 30.0721, 21.3251,
77.7316

■ 3.6242, 1.6121,
18.0084

■ 42.9905, 31.9524,
102.4640

■ 1.4918, 0.3657,
10.7865

■ 59.1621, 45.6280,
131.9541

■ 0.3203, 0.0000,
5.8111

■ 78.9523, 62.7364,
166.6205

■ 0.0000, 0.0000,
2.6636

■ 102.7265, 83.6620,
206.8817

■ 0.0000, 0.0000,
0.9250

■ 130.8500,

■ 0.0000, 0.0000,

108.7892, 253.1562

0.0000

163.6882,
138.5023, 305.8626

■ 12.5338, 7.6782,
40.8658

■ 12.5338, 7.6782,
40.8658

■ 10.7671, 5.7257,
40.5822

■ 14.8276, 10.3374,
41.2584

■ 9.4804, 4.4084,
40.3958

■ 17.6874, 13.7639,
41.7690

■ 8.6080, 3.6163,
40.2889

■ 21.1494, 18.0124,
42.4066

■ 8.4521, 3.4746,
40.2698

■ 25.2466, 23.1324,
43.1789

■ 30.0094, 29.1692,
44.0931

■ 35.4662, 36.1654,
45.1559

■ 41.6439, 44.1604,
46.3735

■ 48.5677, 53.1917,
47.7518

■ 56.2617, 63.2947,
49.2963

Harmonies

Analogous

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



8.0133, 7.6782, 52.9914



12.5338, 7.6782, 40.8658



16.4256, 7.6782, 20.8811

Triad

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



12.5338, 7.6782, 40.8658



10.8896, 7.6782, 0.0000



2.0956, 7.6782, 10.5068

Complementary

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



12.5338, 7.6782, 40.8658



28.0622, 36.8534, 9.3758

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.



2.3921, 7.6782, 2.2248



12.5338, 7.6782, 40.8658



6.6264, 7.6782, 0.0000

Square

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



12.5338, 7.6782, 40.8658



15.2636, 7.6782, 1.0839



3.7709, 7.6782, 0.0000



2.7370, 7.6782, 27.8721

Rectangle

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



12.5338, 7.6782, 40.8658



17.5829, 7.6782, 10.2349



3.7709, 7.6782, 0.0000



2.0924, 7.6782, 6.7297

Sweetspot

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



12.5342, 7.6784, 40.8660



52.1238, 49.9687, 79.5346



19.9290, 25.2129, 43.8608



11.0478, 10.4242, 17.5741



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



12.5342, 7.6784, 40.8660



18.3496, 9.1476, 73.4354



19.9652, 11.5092, 41.2138



7.7378, 7.8392, 10.0580



6.1735, 2.5424, 29.2099



0.2175, 0.0943, 0.8147

Inverse Universe

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



24.2149, 13.9651, 29.4350



41.4408, 21.6232, 48.6896



20.0115, 32.7031, 8.9991



8.2604, 8.1174, 9.6820



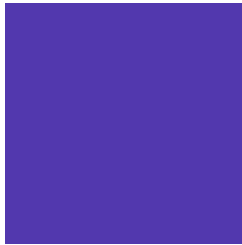
15.8890, 7.8181, 17.5926



0.4605, 0.2249, 0.5868

Previews

White Background



This preview shows how the XYZ color 12.5338, 7.6782, 40.8658 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



This preview shows how the XYZ color 12.5338, 7.6782, 40.8658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

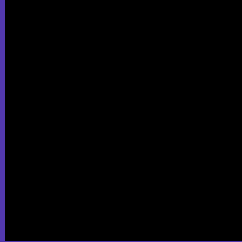
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5338, 7.6782, 40.8658

Background



This preview shows how black text looks on a background with the XYZ color 12.5338, 7.6782, 40.8658.



This preview shows how white text looks on a background with the XYZ color 12.5338, 7.6782, 40.8658.

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

12.5338, 7.6782, 40.8658

Protanopia

8.9296, 7.7069, 34.2747

Deuteranopia

7.4561, 7.5723, 25.1134



Tritanopia

6.5143, 7.7369, 10.8229

Trichromacy



Original Color

12.5338, 7.6782, 40.8658

Protanomaly

9.4551, 7.2489, 36.4981

Deuteranomaly

8.3746, 7.0169, 30.1912

Tritanomaly

8.0137, 7.2694, 19.0699

Monochromacy



Original Color

12.5338, 7.6782, 40.8658

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

8.2772, 7.0884, 16.2612

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5338, 7.6782, 40.8658 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(82, 56, 174)` looks like.

```
.text, #text, p{  
    color:rgb(82, 56, 174)  
}
```

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(82, 56, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 56, 174) }
```

Border

The CSS property to change the border of an element to XYZ 12.5338, 7.6782, 40.8658 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(82, 56, 174) }
```


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

```
.border{ border-color:rgb(82, 56, 174) }
```

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

Here you see how a box with a 4 pixel rgb(82, 56, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 56, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 56, 174);  
box-shadow:4px 4px 4px 4px rgb(82, 56,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5338, 7.6782, 40.8658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 56, 174) }
```

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

```
.background{ background-color: rgb(82, 56,  
174) }
```

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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