

Converting Colors

XYZ(5.7282, 4.2567, 12.2088)

Have a look what the booklet for
XYZ(5.7282, 4.2567, 12.2088)
contains.

XYZ(5.7633, 4.2800, 12.3267)	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(5.7633, 4.2800,
12.3267)**

Conversions

Conversions Part 1

Format	Color
Hex	453063
RGB	69, 48, 99
RGB Percent	27%, 19%, 39%
CMY	0.7294, 0.8118, 0.6118
CMYK	0.30, 0.52, 0.00, 0.61
HSL	265°, 35%, 29%
HSV	265°, 52%, 39%
XYZ	5.7633, 4.2800, 12.3267
YIQ	60.0930, -3.8550, 20.3130

Conversions

Conversions Part 2

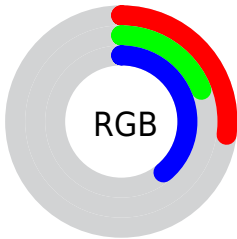
Format	Color
R_{YB}	69, 48, 99
Decimal	4534371
CIE _{Lab}	24.58, 21.54, -26.79
CIE _{LCh}	25, 34.374, 308.791
Yxy	4.2800, 0.2576, 0.1913
Android (android.graphics.Color)	4282724451 (0xFF453063)
YUV	60.0930, 19.1812, 7.8114
Hunter-Lab	20.6882, 13.5222, -20.8453

Details

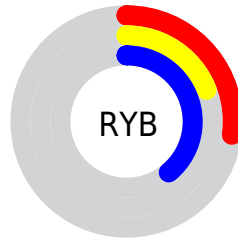
The XYZ color **5.7633, 4.2800, 12.3267** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **8.1374, 10.7569, 4.4439**, and the grayscale version is **4.2826, 4.5057, 4.9067**.

A 20% lighter version of the original color is **17.2050, 14.3084, 30.7092**, and **1.0057, 0.4952, 3.2914** is the 20% darker color. If you saturate the color by 10%, you get **5.0097, 3.3562, 12.1882**, and if you desaturate by 10%, it is **6.6482, 5.4059, 12.4975**.

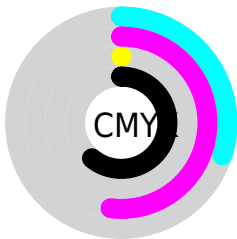
Distribution



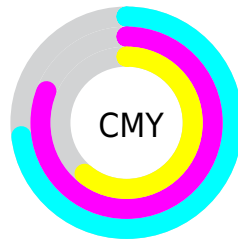
- Red (27%)
- Green (19%)
- Blue (39%)



- Red (27%)
- Yellow (19%)
- Blue (39%)



- Cyan (30%)
- Magenta (52%)
- Yellow (0%)
- Black (61%)



- Cyan (73%)
- Magenta (81%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 5.7633, 4.2800, 12.3267 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 5.7633, 4.2800, 12.3267 by changing the saturation by 10% instead.

■ 5.7633, 4.2800,
12.3267

■ 5.7633, 4.2800,
12.3267

151.7325,
142.6327, 217.6104

■ 2.7410, 1.8314,
6.8413

■ 17.1683, 14.2408,
30.7620

■ 1.0183, 0.5066,
3.2861

■ 26.2818, 22.5218,
44.5490

■ 0.0000, 0.0000,
1.2425

■ 38.1563, 33.5157,
61.9403

■ 0.0000, 0.0000,
0.0140

■ 53.1572, 47.6069,
83.3545

■ 0.0000, 0.0000,
0.0000

■ 71.6500, 65.1798,
109.2100

■ 93.9999, 86.6188,

139.9255

120.5723,
112.3083, 175.9195

■ 5.7633, 4.2800,
12.3267

■ 5.7633, 4.2800,
12.3267

■ 5.0097, 3.3562,
12.1882

■ 6.6482, 5.4059,
12.4975

■ 4.3798, 2.6213,
12.0795

■ 7.6706, 6.7450,
12.7021

■ 3.8655, 2.0610,
11.9985

■ 8.8367, 8.3083,
12.9423

■ 3.4569, 1.6573,
11.9421

■ 10.1525, 10.1057,
13.2199

■ 3.1572, 1.3674,
11.9020

■ 11.6232, 12.1466,
13.5363

■ 13.2541, 14.4399,
13.8930

■ 15.0501, 16.9940,
14.2914

■ 17.0157, 19.8168,
14.7326

■ 19.1556, 22.9161,
15.2181

Harmonies

Analogous

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



4.4457, 4.2800, 15.2788



5.7633, 4.2800, 12.3267



6.7389, 4.2800, 7.6132

Triad

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



5.7633, 4.2800, 12.3267



4.9989, 4.2800, 0.7220



2.1282, 4.2800, 5.7909

Complementary

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



5.7633, 4.2800, 12.3267



8.1374, 10.7569, 4.4439

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.



2.2166, 4.2800, 2.5906



5.7633, 4.2800, 12.3267



3.7123, 4.2800, 0.5874

Square

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



5.7633, 4.2800, 12.3267



6.2386, 4.2800, 1.5455



2.7428, 4.2800, 1.0947



2.4702, 4.2800, 10.4244

Rectangle

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



5.7633, 4.2800, 12.3267



6.9681, 4.2800, 4.8066



2.7428, 4.2800, 1.0947



2.1103, 4.2800, 4.5168

Sweetspot

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



5.7635, 4.2802, 12.3268



16.5014, 16.0799, 22.4840



6.2384, 7.0638, 12.8391



3.8460, 3.7178, 5.3282



49.6657, 52.2522, 56.9026



4.8358, 5.0876, 5.5404

Same Dimension

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



5.7635, 4.2802, 12.3268



8.3322, 5.4456, 20.8619



7.9151, 5.3893, 12.4275



2.5376, 2.5608, 3.2058



4.0715, 1.7598, 15.5128



20.7962, 8.9091, 82.8282

Inverse Universe

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



7.5778, 5.3168, 7.8349



11.9658, 7.5267, 11.6369



6.4690, 9.8968, 4.3658



2.6285, 2.6123, 2.9977



7.6910, 3.8512, 5.4925



40.6413, 20.3960, 26.9952

Previews

White Background



This preview shows how the XYZ color 5.7633, 4.2800, 12.3267 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 5.7633, 4.2800, 12.3267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

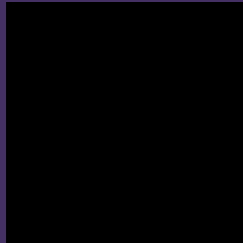
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 5.7633, 4.2800, 12.3267

Background



This preview shows how black text looks on a background with the XYZ color 5.7633, 4.2800, 12.3267.



This preview shows how white text looks on a background with the XYZ color 5.7633, 4.2800,

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

5.7633, 4.2800, 12.3267

Protanopia

4.7971, 4.3323, 14.7707

Deuteranopia

4.3813, 4.3311, 11.9143



Tritanopia

4.3192, 4.2982, 5.1594

Trichromacy



Original Color

5.7633, 4.2800, 12.3267

Protanomaly

4.9957, 4.2391, 13.9195

Deuteranomaly

4.7431, 4.2186, 12.1195

Tritanomaly

4.7691, 4.2702, 7.2295

Monochromacy



Original Color

5.7633, 4.2800, 12.3267

Achromatopsia

4.2949, 4.5186, 4.9208

Achromatomaly

4.7001, 4.3795, 7.0762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 5.7633, 4.2800, 12.3267 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(69, 48, 99) looks like.

```
.text, #text, p{  
    color:rgb(69, 48, 99)  
}
```

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(69, 48, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 48, 99) }
```

Border

The CSS property to change the border of an element to XYZ 5.7633, 4.2800, 12.3267 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(69, 48, 99) }
```


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

```
.border{ border-color:rgb(69, 48, 99) }
```

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

Here you see how a box with a 4 pixel rgb(69, 48, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 48, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 48, 99);  
box-shadow:4px 4px 4px 4px rgb(69, 48, 99)  
}
```

Background

The CSS property to change the background color of an element to XYZ 5.7633, 4.2800, 12.3267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 48, 99) }
```

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

```
.background{ background-color: rgb(69, 48,  
99) }
```

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