

Converting Colors

XYZ(12.8675, 7.4668, 9.6378)

Have a look what the booklet for
XYZ(12.8675, 7.4668, 9.6378)
contains.

XYZ(12.8541, 7.4614, 9.5668)	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(12.8541, 7.4614,
9.5668)**

Conversions

Conversions Part 1

Format	Color
Hex	8A2656
RGB	138, 38, 86
RGB Percent	54%, 15%, 34%
CMY	0.4588, 0.8510, 0.6627
CMYK	0.00, 0.72, 0.38, 0.46
HSL	331°, 57%, 35%
HSV	331°, 72%, 54%
XYZ	12.8541, 7.4614, 9.5668
YIQ	73.3720, 44.1920, 36.1280

Conversions

Conversions Part 2

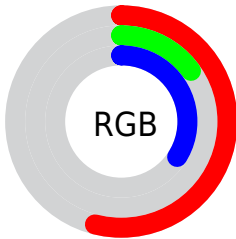
Format	Color
R_{YB}	138, 38, 86
Decimal	9053782
CIE _{Lab}	32.84, 46.15, -4.71
CIE _{LCh}	33, 46.392, 354.167
Y _{xy}	7.4614, 0.4302, 0.2497
Android (android.graphics.Color)	4287243862 (0xFF8A2656)
YUV	73.3720, 6.2256, 56.6788
Hunter-Lab	27.3156, 36.1959, -1.6444

Details

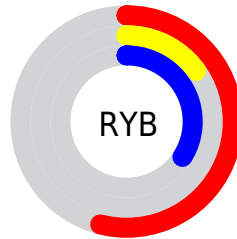
The XYZ color **12.8541, 7.4614, 9.5668** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **11.7338, 19.3275, 12.7864**, and the grayscale version is **6.3825, 6.7148, 7.3125**.

A 20% lighter version of the original color is **30.6907, 20.8618, 25.7017**, and **3.9675, 1.9991, 2.2746** is the 20% darker color. If you saturate the color by 10%, you get **12.2171, 6.6270, 7.9988**, and if you desaturate by 10%, it is **13.6843, 8.6355, 11.3426**.

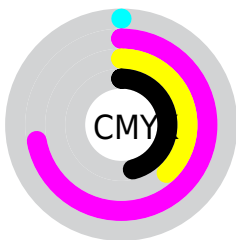
Distribution



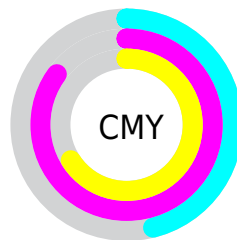
- Red (54%)
- Green (15%)
- Blue (34%)



- Red (54%)
- Yellow (15%)
- Blue (34%)



- Cyan (0%)
- Magenta (72%)
- Yellow (38%)
- Black (46%)




- Cyan (46%)
- Magenta (85%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8541, 7.4614, 9.5668 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 12.8541, 7.4614, 9.5668 by changing the saturation by 10% instead.


 12.8541, 7.4614,
9.5668


 12.8541, 7.4614,
9.5668


203.6370,
171.4444, 197.9228


 7.4045, 3.7523,
5.0109


 30.6450, 20.8956,
25.5724


 3.7649, 1.5360,
2.1948

 43.7169, 31.3894,
37.8591


 1.5700, 0.3139,
0.6714

 60.0603, 44.9137,
53.5599

 0.3727, 0.0000,
0.0000

 80.0406, 61.8527,
73.0932

 0.0000, 0.0000,
0.0000

 104.0230, 82.5909,
96.8776

 132.3730,

107.5126, 125.3317

165.4559,
137.0023, 158.8739

■ 12.8541, 7.4614,
9.5668

■ 12.8541, 7.4614,
9.5668

■ 12.2171, 6.6270,
7.9988

■ 13.6843, 8.6355,
11.3426

■ 11.7525, 6.0925,
6.6273

■ 14.7239, 10.1808,
13.3355

■ 11.4716, 5.7994,
5.7056

■ 15.9884, 12.1268,
15.5545

■ 17.4914, 14.4993,
18.0078

■ 19.2452, 17.3222,
20.7034

■ 21.2615, 20.6175,
23.6484

■ 23.5511, 24.4058,
26.8498

■ 26.1242, 28.7065,
30.3144

■ 28.9905, 33.5377,
34.0486

Harmonies

Analogous

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



11.6131, 7.4614, 18.7944



12.8541, 7.4614, 9.5668



12.2878, 7.4614, 3.7733

Triad

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



12.8541, 7.4614, 9.5668



5.3402, 7.4614, 0.9992



4.6857, 7.4614, 24.5990

Complementary

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



12.8541, 7.4614, 9.5668



11.7338, 19.3275, 12.7864

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.



3.6163, 7.4614, 14.9554



12.8541, 7.4614, 9.5668



3.9291, 7.4614, 2.5257

Square

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



12.8541, 7.4614, 9.5668



7.5791, 7.4614, 0.7313



3.3751, 7.4614, 6.8344



6.6259, 7.4614, 30.1445

Rectangle

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



12.8541, 7.4614, 9.5668



11.0151, 7.4614, 1.8999



3.3751, 7.4614, 6.8344



4.2321, 7.4614, 21.5327

Sweetspot

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



12.8543, 7.4618, 9.5669



33.9193, 30.5275, 36.4878



9.4652, 5.3787, 24.5842



7.4407, 6.5763, 7.9322



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.8543, 7.4618, 9.5669



20.9780, 11.0222, 12.5133



11.5790, 7.0389, 2.5826



5.1263, 5.0860, 5.7536



10.5251, 5.3202, 5.2697



0.0772, 0.0383, 0.0736

Inverse Universe

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



12.8543, 7.4618, 9.5669



20.9780, 11.0222, 12.5133



14.2383, 19.9496, 27.1451



5.1263, 5.0860, 5.7536



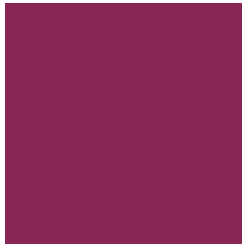
10.5251, 5.3202, 5.2697



0.0772, 0.0383, 0.0736

Previews

White Background



This preview shows how the XYZ color 12.8541, 7.4614, 9.5668 looks on a white background.

Color Contrast Check

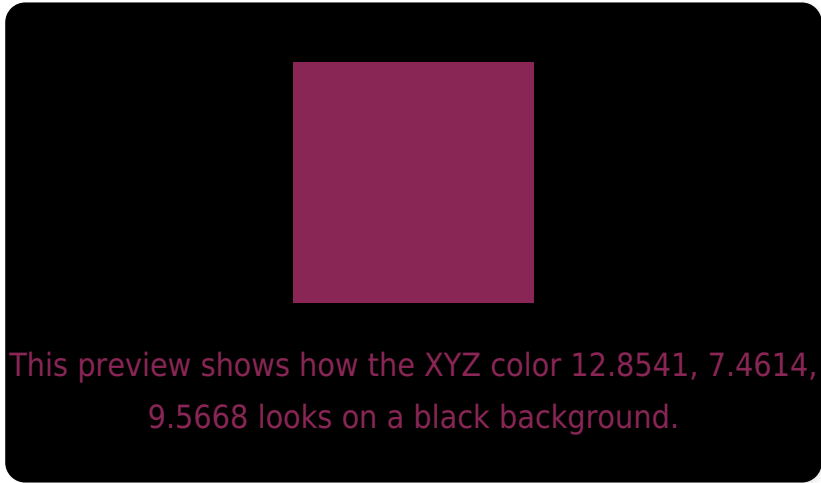
Large Text (above 18pt) WCAG AA ✓ Pass

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

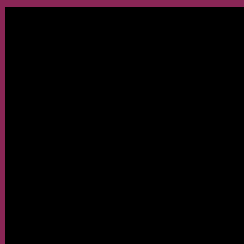
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8541, 7.4614, 9.5668

Background



This preview shows how black text looks on a background with the XYZ color 12.8541, 7.4614, 9.5668.



This preview shows how white text looks on a background with the XYZ color 12.8541, 7.4614,

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

12.8541, 7.4614, 9.5668

Protanopia

7.9624, 7.7065, 16.3971

Deuteranopia

7.8160, 7.6943, 8.8578



Tritanopia

11.7456, 7.4976, 3.8457

Trichromacy



Original Color

12.8541, 7.4614, 9.5668

Protanomaly

8.7399, 6.8614, 13.6957

Deuteranomaly

8.9929, 7.0128, 9.0633

Tritanomaly

12.1144, 7.4786, 5.5076

Monochromacy



Original Color

12.8541, 7.4614, 9.5668

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

7.9208, 6.3232, 8.0107

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8541, 7.4614, 9.5668 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(138, 38, 86)` looks like.

```
.text, #text, p{  
    color:rgb(138, 38, 86)  
}
```

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(138, 38, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 38, 86) }
```

Border

The CSS property to change the border of an element to XYZ 12.8541, 7.4614, 9.5668 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(138, 38, 86) }
```


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

```
.border{ border-color:rgb(138, 38, 86) }
```

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

Here you see how a box with a 4 pixel rgb(138, 38, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 38, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 38, 86);  
box-shadow:4px 4px 4px 4px rgb(138, 38,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8541, 7.4614, 9.5668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 38, 86) }
```

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

```
.background{ background-color: rgb(138, 38,  
86) }
```

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