

Converting Colors

XYZ(9.4441, 12.0157, 4.2441)

Have a look what the booklet for
XYZ(9.4441, 12.0157, 4.2441)
contains.

XYZ(9.4247, 12.0062, 4.2036)	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(9.4247, 12.0062,
4.2036)**

Conversions

Conversions Part 1

Format	Color
Hex	59672C
RGB	89, 103, 44
RGB Percent	35%, 40%, 17%
CMY	0.6510, 0.5961, 0.8274
CMYK	0.14, 0.00, 0.57, 0.60
HSL	74°, 40%, 29%
HSV	74°, 57%, 40%
XYZ	9.4247, 12.0062, 4.2036
YIQ	92.0880, 10.5950, -21.3170

Conversions

Conversions Part 2

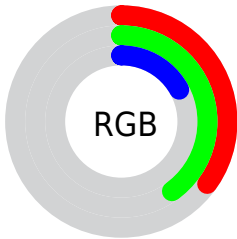
Format	Color
RYB	44, 103, 58
Decimal	5859116
CIELab	41.23, -15.24, 31.07
CIELCh	41, 34.605, 116.124
Yxy	12.0062, 0.3677, 0.4684
Android (android.graphics.Color)	4284049196 (0xFF59672C)
YUV	92.0880, -23.7074, -2.7082
Hunter-Lab	34.6500, -12.0859, 17.0621




Details

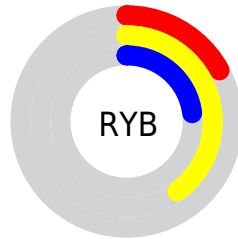
The XYZ color **9.4247, 12.0062, 4.2036** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.0943, 3.6805, 13.2746**, and the grayscale version is **10.2445, 10.7780, 11.7372**.




A 20% lighter version of the original color is **24.3026, 29.4594, 14.5306**, and **2.3690, 3.3206, 0.5161** is the 20% darker color. If you saturate the color by 10%, you get **9.0240, 11.8197, 3.2967**, and if you desaturate by 10%, it is **9.8818, 12.2170, 5.3647**.

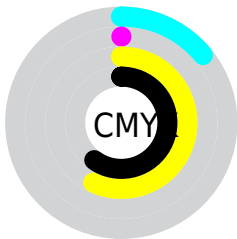
Distribution







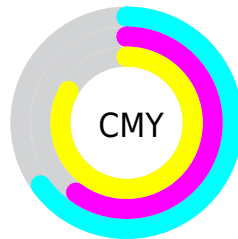
-  Red (35%)
-  Green (40%)
-  Blue (17%)






-  Red (17%)
-  Yellow (40%)
-  Blue (23%)



-  Cyan (14%)
-  Magenta (0%)
-  Yellow (57%)
-  Black (60%)



-  Cyan (65%)
-  Magenta (60%)
-  Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.4247, 12.0062, 4.2036 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 9.4247, 12.0062, 4.2036 by changing the saturation by 10% instead.

■ 9.4247, 12.0062,
4.2036

■ 9.4247, 12.0062,
4.2036

180.6561,
204.4463, 150.4622

■ 5.0785, 6.7479,
1.7377

■ 24.3673, 29.5064,
14.4767

■ 2.3286, 3.3049,
0.3864

■ 35.6944, 42.5171,
23.1209

■ 0.8093, 1.2929,
0.0000

■ 50.0792, 58.8807,
34.6617

■ 0.0000, 0.1357,
0.0000

■ 67.8870, 78.9816,
49.5175

■ 0.0000, 0.0000,
0.0000

■ 89.4833, 103.2042,
68.1069

■ 115.2333,

131.9330, 90.8485

145.5025,
165.5522, 118.1607

■ 9.4247, 12.0062,
4.2036

■ 9.4247, 12.0062,
4.2036

■ 9.0240, 11.8197,
3.2967

■ 9.8818, 12.2170,
5.3647

■ 8.6753, 11.6544,
2.6242

■ 10.3979, 12.4519,
6.7963

■ 8.3745, 11.5093,
2.1643

■ 10.9762, 12.7126,
8.5145

■ 8.1088, 11.3790,
1.8494

■ 11.6197, 13.0003,
10.5336

■ 8.0382, 11.3444,
1.7660

■ 12.3309, 13.3160,
12.8672

■ 13.1122, 13.6608,
15.5279

■ 13.9661, 14.0355,
18.5277

■ 14.8948, 14.4410,
21.8780

■ 15.9004, 14.8783,
25.5897

Harmonies

Analogous

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



11.7393, 12.0062, 3.5912



9.4247, 12.0062, 4.2036



7.8704, 12.0062, 6.8069

Triad

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



9.4247, 12.0062, 4.2036



8.9383, 12.0062, 28.1411



16.9055, 12.0062, 14.0247

Complementary

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



9.4247, 12.0062, 4.2036



5.0943, 3.6805, 13.2746

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.



15.8816, 12.0062, 22.3363



9.4247, 12.0062, 4.2036



11.0899, 12.0062, 32.1588

Square

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



9.4247, 12.0062, 4.2036



7.6197, 12.0062, 20.1128



13.6596, 12.0062, 29.7199



16.2897, 12.0062, 7.9033

Rectangle

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



9.4247, 12.0062, 4.2036



7.3550, 12.0062, 10.0436



13.6596, 12.0062, 29.7199



16.7381, 12.0062, 16.6567

Sweetspot

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



9.4250, 12.0067, 4.2039



20.7788, 23.2655, 18.7758



7.5499, 6.0684, 3.1565



5.0291, 5.6582, 4.4516



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



9.4250, 12.0067, 4.2039



15.9133, 21.0482, 5.4048



7.1527, 10.8353, 4.0975



2.9800, 3.2369, 3.0422



10.0811, 14.2557, 2.2203



51.7753, 73.9371, 11.5424

Inverse Universe

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



5.0943, 3.6805, 13.2746



7.3243, 4.4930, 23.4583



7.3047, 4.8201, 13.3780



2.7480, 2.7922, 3.5261



3.5383, 1.4683, 16.2412



17.7803, 7.3103, 84.6753

Previews

White Background



This preview shows how the XYZ color 9.4247, 12.0062, 4.2036 looks on a white background.

Color Contrast Check

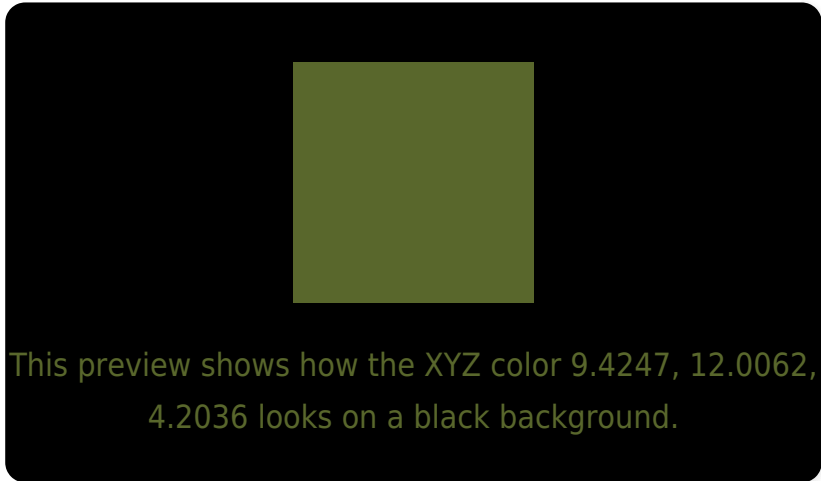
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

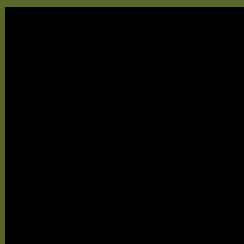
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.4247, 12.0062, 4.2036

Background



This preview shows how black text looks on a background with the XYZ color 9.4247, 12.0062, 4.2036.



This preview shows how white text looks on a background with the XYZ color 9.4247, 12.0062,

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

9.4247, 12.0062, 4.2036

Protanopia

10.8770, 11.9047, 3.9150

Deuteranopia

12.0860, 11.8526, 4.3401



Tritanopia

11.5973, 12.0357, 14.8086

Trichromacy



Original Color

9.4247, 12.0062, 4.2036

Protanomaly

10.2647, 11.8648, 4.0346

Deuteranomaly

10.9827, 11.8142, 4.2863

Tritanomaly

10.4990, 11.8600, 9.7185

Monochromacy



Original Color

9.4247, 12.0062, 4.2036

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

9.7673, 11.0979, 8.2839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.4247, 12.0062, 4.2036 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(89, 103, 44)` looks like.

```
.text, #text, p{  
    color:rgb(89, 103, 44)  
}
```

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(89, 103, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 103, 44) }
```

Border

The CSS property to change the border of an element to XYZ 9.4247, 12.0062, 4.2036 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(89, 103, 44) }
```


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

```
.border{ border-color:rgb(89, 103, 44) }
```

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

Here you see how a box with a 4 pixel rgb(89, 103, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 103, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 103, 44);  
box-shadow:4px 4px 4px 4px rgb(89, 103,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 9.4247, 12.0062, 4.2036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 103, 44) }
```

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

```
.background{ background-color: rgb(89, 103,  
44) }
```

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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