

Converting Colors

XYZ(12.1067, 9.3296, 9.8375)

Have a look what the booklet for
XYZ(12.1067, 9.3296, 9.8375)
contains.

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Color

**XYZ(12.1420, 9.3213,
9.7536)**

Conversions

Conversions Part 1

Format	Color
Hex	7C4655
RGB	124, 70, 85
RGB Percent	49%, 27%, 33%
CMY	0.5137, 0.7255, 0.6667
CMYK	0.00, 0.44, 0.31, 0.51
HSL	343°, 28%, 38%
HSV	343°, 44%, 49%
XYZ	12.1420, 9.3213, 9.7536
YIQ	87.8560, 27.3690, 16.1130

Conversions

Conversions Part 2

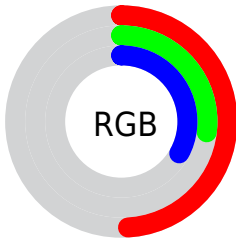
Format	Color
R_{YB}	124, 70, 85
Decimal	8144469
CIE _{Lab}	36.60, 25.11, 1.19
CIE _{LCh}	37, 25.141, 2.723
Yxy	9.3213, 0.3890, 0.2986
Android (android.graphics.Color)	4286334549 (0xFF7C4655)
YUV	87.8560, -1.4080, 31.6983
Hunter-Lab	30.5308, 17.5600, 2.4303

Details

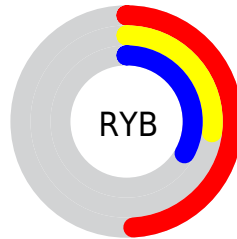
The XYZ color **12.1420, 9.3213, 9.7536** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **12.4942, 16.8217, 17.0572**, and the grayscale version is **9.2435, 9.7249, 10.5904**.

A 20% lighter version of the original color is **29.3301, 24.4079, 26.0870**, and **3.4573, 2.2229, 2.2543** is the 20% darker color. If you saturate the color by 10%, you get **11.1114, 7.7938, 7.7643**, and if you desaturate by 10%, it is **13.3784, 11.1881, 12.0339**.

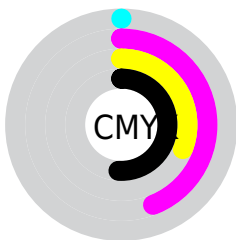
Distribution



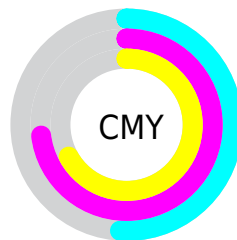
- Red (49%)
- Green (27%)
- Blue (33%)



- Red (49%)
- Yellow (27%)
- Blue (33%)



- Cyan (0%)
- Magenta (44%)
- Yellow (31%)
- Black (51%)




- Cyan (51%)
- Magenta (73%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1420, 9.3213, 9.7536 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 12.1420, 9.3213, 9.7536 by changing the saturation by 10% instead.


 12.1420, 9.3213,
9.7536


 12.1420, 9.3213,
9.7536


199.0939,
185.7570, 199.3248


 6.9133, 4.9513,
5.1324


 29.3681, 24.5109,
25.9315


 3.4538, 2.2187,
2.2651

 42.0962, 36.0992,
38.3254


 1.3980, 0.7302,
0.7116

 58.0549, 50.8626,
54.1472

 0.2548, 0.0000,
0.0000

 77.6095, 69.1852,
73.8155

 0.0000, 0.0000,
0.0000

 101.1253, 91.4516,
97.7489

128.9678,

118.0461, 126.3659

161.5022,
149.3531, 160.0850

■ 12.1420, 9.3213,
9.7536

■ 12.1420, 9.3213,
9.7536

■ 11.1114, 7.7938,
7.7643

■ 13.3784, 11.1881,
12.0339

■ 10.2741, 6.5837,
6.0534

■ 14.8305, 13.4117,
14.6161

■ 9.6177, 5.6688,
4.6080

■ 16.5084, 16.0099,
17.5111

■ 9.1276, 5.0230,
3.4138

■ 18.4215, 18.9991,
20.7291

■ 8.7858, 4.6135,
2.4547

■ 20.5785, 22.3944,
24.2800

■ 8.6073, 4.4031,
1.9431

■ 22.9876, 26.2105,
28.1729

■ 25.6569, 30.4610,
32.4169

■ 28.5939, 35.1592,
37.0206

■ 31.8057, 40.3175,
41.9923

Harmonies

Analogous

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



11.7461, 9.3213, 14.5304



12.1420, 9.3213, 9.7536



11.5779, 9.3213, 6.2358

Triad

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



12.1420, 9.3213, 9.7536



7.3599, 9.3213, 4.5752



7.5763, 9.3213, 19.6528

Complementary

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



12.1420, 9.3213, 9.7536



12.4942, 16.8217, 17.0572

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.



6.6040, 9.3213, 15.4306



12.1420, 9.3213, 9.7536



6.4896, 9.3213, 6.7513

Square

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



12.1420, 9.3213, 9.7536



8.7203, 9.3213, 3.8369



6.2295, 9.3213, 10.5556



9.0004, 9.3213, 21.1319

Rectangle

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



12.1420, 9.3213, 9.7536



10.7675, 9.3213, 4.8052



6.2295, 9.3213, 10.5556



7.1916, 9.3213, 18.4571

Sweetspot

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



12.1423, 9.3218, 9.7538



29.1260, 28.2903, 30.9429



12.0984, 9.0683, 20.1814



6.7204, 6.4464, 7.0501



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.1423, 9.3218, 9.7538



19.6047, 13.7904, 13.7649



12.4127, 10.7172, 7.2094



4.0398, 4.0317, 4.4074



8.7491, 4.4758, 1.9699



41.4172, 21.2232, 7.7270

Inverse Universe

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



12.1423, 9.3218, 9.7538



19.6047, 13.7904, 13.7649



11.9915, 14.4123, 21.2185



4.0398, 4.0317, 4.4074



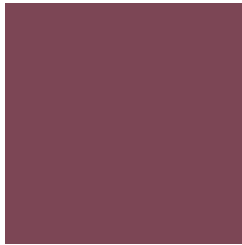
8.7491, 4.4758, 1.9699



41.4172, 21.2232, 7.7270

Previews

White Background



This preview shows how the XYZ color 12.1420, 9.3213, 9.7536 looks on a white background.

Color Contrast Check

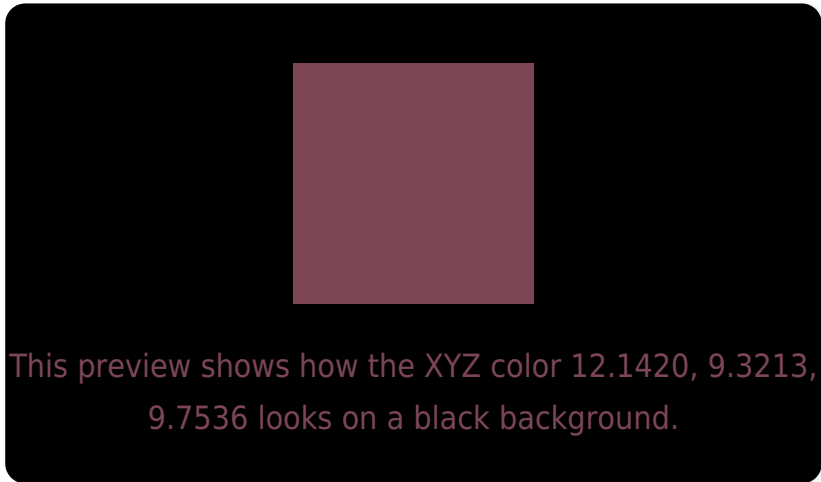
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1420, 9.3213, 9.7536

Background



This preview shows how black text looks on a background with the XYZ color 12.1420, 9.3213, 9.7536.



This preview shows how white text looks on a background with the XYZ color 12.1420, 9.3213,

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

12.1420, 9.3213, 9.7536

Protanopia

9.1859, 9.4422, 11.9280

Deuteranopia

9.5555, 9.4520, 9.5044



Tritanopia

11.7612, 9.2533, 8.1874

Trichromacy



Original Color

12.1420, 9.3213, 9.7536

Protanomaly

10.0125, 9.2020, 11.1460

Deuteranomaly

10.3401, 9.2962, 9.6369

Tritanomaly

11.8696, 9.2966, 8.7582

Monochromacy



Original Color

12.1420, 9.3213, 9.7536

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.0296, 9.3397, 10.2909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1420, 9.3213, 9.7536 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(124, 70, 85)` looks like.

```
.text, #text, p{  
    color:rgb(124, 70, 85)  
}
```

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(124, 70, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 70, 85) }
```

Border

The CSS property to change the border of an element to XYZ 12.1420, 9.3213, 9.7536 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(124, 70, 85) }
```


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

```
.border{ border-color:rgb(124, 70, 85) }
```

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

Here you see how a box with a 4 pixel rgb(124, 70, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 70, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 70, 85);  
box-shadow:4px 4px 4px 4px rgb(124, 70,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1420, 9.3213, 9.7536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 70, 85) }
```

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

```
.background{ background-color: rgb(124, 70,  
85) }
```

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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