

Converting Colors

XYZ(12.3887, 9.5266, 17.7945)

Have a look what the booklet for
XYZ(12.3887, 9.5266, 17.7945)
contains.

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Color

**XYZ(12.3450, 9.5368,
17.7131)**

Conversions

Conversions Part 1

Format	Color
Hex	714974
RGB	113, 73, 116
RGB Percent	44%, 29%, 45%
CMY	0.5569, 0.7137, 0.5451
CMYK	0.03, 0.37, 0.00, 0.55
HSL	296°, 23%, 37%
HSV	296°, 37%, 45%
XYZ	12.3450, 9.5368, 17.7131
YIQ	89.8620, 10.0370, 21.8530

Conversions

Conversions Part 2

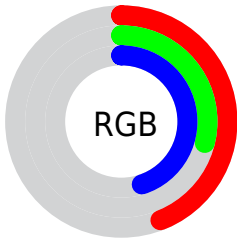
Format	Color
R_{YB}	113, 73, 116
Decimal	7424372
CIE _{Lab}	37.00, 24.77, -17.80
CIE _{LCh}	37, 30.508, 324.298
Yxy	9.5368, 0.3118, 0.2409
Android (android.graphics.Color)	4285614452 (0xFF714974)
YUV	89.8620, 12.8860, 20.2920
Hunter-Lab	30.8817, 17.3126, -12.3903




Details

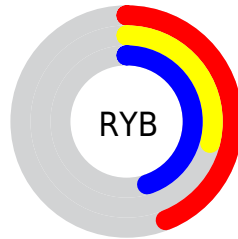
The XYZ color **12.3450, 9.5368, 17.7131** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **10.4288, 14.5085, 8.5546**, and the grayscale version is **9.6581, 10.1611, 11.0654**.




A 20% lighter version of the original color is **29.7533, 24.8532, 40.2748**, and **3.5497, 2.2912, 5.7240** is the 20% darker color. If you saturate the color by 10%, you get **11.5492, 8.0990, 17.4777**, and if you desaturate by 10%, it is **13.2845, 11.2603, 17.9964**.

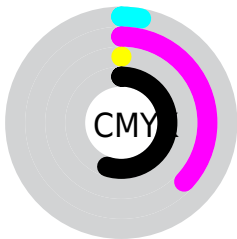
Distribution







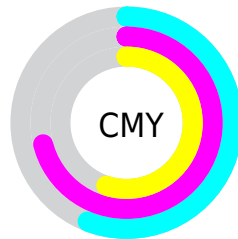
-  Red (44%)
-  Green (29%)
-  Blue (45%)






-  Red (44%)
-  Yellow (29%)
-  Blue (45%)



-  Cyan (3%)
-  Magenta (37%)
-  Yellow (0%)
-  Black (55%)



-  Cyan (56%)
-  Magenta (71%)
-  Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3450, 9.5368, 17.7131 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 12.3450, 9.5368, 17.7131 by changing the saturation by 10% instead.

■ 12.3450, 9.5368,
17.7131

■ 12.3450, 9.5368,
17.7131

200.3997,
187.3334, 251.4305

■ 7.0530, 5.0929,
10.5769

■ 29.7333, 24.9205,
40.3552

■ 3.5419, 2.3019,
5.6725

■ 42.5604, 36.6292,
56.6981

■ 1.4464, 0.7747,
2.5815

■ 58.6298, 51.5283,
76.9470

■ 0.2889, 0.0000,
0.8829

■ 78.3069, 70.0022,
101.5205

■ 0.0000, 0.0000,
0.0000

■ 101.9571, 92.4352,
130.8370

129.9457,

119.2118, 165.3152

162.6381,
150.7164, 205.3735

■ 12.3450, 9.5368,
17.7131

■ 12.3450, 9.5368,
17.7131

■ 11.5492, 8.0990,
17.4777

■ 13.2845, 11.2603,
17.9964

■ 10.8884, 6.9297,
17.2868

■ 14.3741, 13.2829,
18.3294

■ 10.3540, 6.0121,
17.1378

■ 15.6209, 15.6186,
18.7145

■ 9.9364, 5.3266,
17.0275

■ 17.0314, 18.2801,
19.1539

■ 9.6244, 4.8510,
16.9522

■ 18.6116, 21.2796,
19.6495

■ 9.3914, 4.5321,
16.9029

■ 20.3671, 24.6285,
20.2034

■ 9.3256, 4.4434,
16.8892

■ 22.3035, 28.3376,
20.8173

■ 24.4260, 32.4176,
21.4929

■ 26.7395, 36.8782,
22.2320

Harmonies

Analogous

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



10.6424, 9.5368, 23.0408



12.3450, 9.5368, 17.7131



13.1797, 9.5368, 11.4521

Triad

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



12.3450, 9.5368, 17.7131



9.4301, 9.5368, 3.0921



6.1410, 9.5368, 15.2786

Complementary

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



12.3450, 9.5368, 17.7131



10.4288, 14.5085, 8.5546

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.



5.9097, 9.5368, 9.3844



12.3450, 9.5368, 17.7131



7.6507, 9.5368, 3.4964

Square

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



12.3450, 9.5368, 17.7131



11.3533, 9.5368, 4.0208



6.4236, 9.5368, 5.4201



7.1060, 9.5368, 21.3271

Rectangle

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



12.3450, 9.5368, 17.7131



13.0587, 9.5368, 8.0213



6.4236, 9.5368, 5.4201



5.9810, 9.5368, 13.1702

Sweetspot

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



12.3453, 9.5372, 17.7133



26.5011, 25.6566, 32.6000



8.5253, 7.9276, 17.6039



6.2679, 6.0190, 7.7604



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.3453, 9.5372, 17.7133



20.5555, 14.6920, 30.7970



11.7939, 9.3620, 12.7617



3.8027, 3.7456, 4.6128



10.4591, 4.9832, 18.9532



50.6701, 24.1299, 92.3472

Inverse Universe

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



10.8898, 9.0004, 8.0012



17.6483, 13.6257, 11.1225



10.8781, 14.6614, 12.1357



3.6934, 3.7046, 3.9120



8.1296, 4.1855, 0.6246



39.4931, 20.3474, 2.3942

Previews

White Background



This preview shows how the XYZ color 12.3450, 9.5368, 17.7131 looks on a white background.

Color Contrast Check

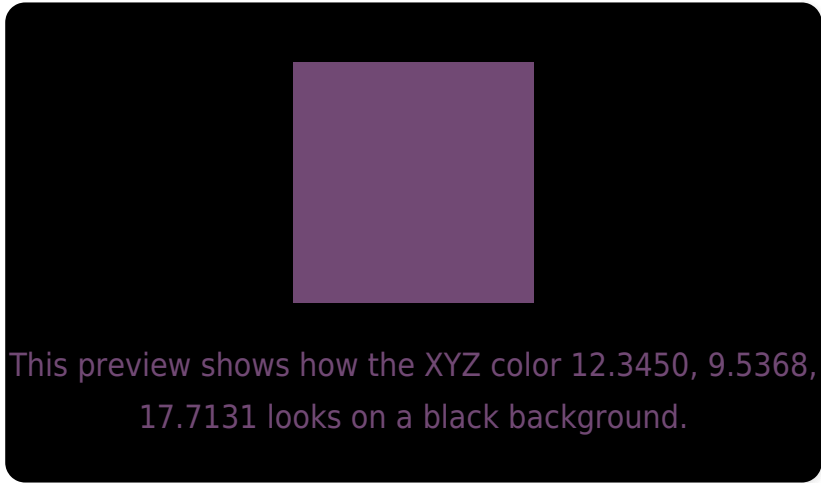
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3450, 9.5368, 17.7131

Background



This preview shows how black text looks on a background with the XYZ color 12.3450, 9.5368, 17.7131.



This preview shows how white text looks on a background with the XYZ color 12.3450, 9.5368,

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

12.3450, 9.5368, 17.7131

Protanopia

9.9177, 9.6178, 21.0724

Deuteranopia

9.8447, 9.6643, 17.2661



Tritanopia

10.7423, 9.4991, 9.8616

Trichromacy



Original Color

12.3450, 9.5368, 17.7131

Protanomaly

10.4798, 9.3647, 19.6676

Deuteranomaly

10.5511, 9.4498, 17.4875

Tritanomaly

11.1956, 9.4673, 12.3036

Monochromacy



Original Color

12.3450, 9.5368, 17.7131

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.4595, 9.8382, 13.1521

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3450, 9.5368, 17.7131 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(113, 73, 116)` looks like.

```
.text, #text, p{  
    color:rgb(113, 73, 116)  
}
```

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(113, 73, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 73, 116) }
```

Border

The CSS property to change the border of an element to XYZ 12.3450, 9.5368, 17.7131 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(113, 73, 116) }
```


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

```
.border{ border-color:rgb(113, 73, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 73, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 73, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 73, 116);  
box-shadow:4px 4px 4px 4px rgb(113, 73,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3450, 9.5368, 17.7131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 73, 116) }
```

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

```
.background{ background-color: rgb(113, 73,  
116) }
```

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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