

Converting Colors

XYZ(12.0309, 8.5872, 10.6235)

Have a look what the booklet for
XYZ(12.0309, 8.5872, 10.6235)
contains.

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Color

**XYZ(12.0255, 8.5434,
10.6881)**

Conversions

Conversions Part 1

Format	Color
Hex	7D3E5A
RGB	125, 62, 90
RGB Percent	49%, 24%, 35%
CMY	0.5098, 0.7568, 0.6471
CMYK	0.00, 0.50, 0.28, 0.51
HSL	333°, 34%, 37%
HSV	333°, 50%, 49%
XYZ	12.0255, 8.5434, 10.6881
YIQ	84.0290, 28.5600, 22.0640

Conversions

Conversions Part 2

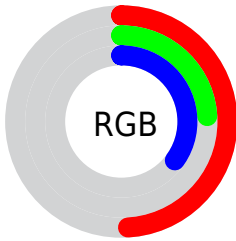
Format	Color
R_{YB}	125, 62, 90
Decimal	8207962
CIE _{Lab}	35.09, 30.80, -4.17
CIE _{LCh}	35, 31.077, 352.282
Yxy	8.5434, 0.3847, 0.2733
Android (android.graphics.Color)	4286398042 (0xFF7D3E5A)
YUV	84.0290, 2.9437, 35.9316
Hunter-Lab	29.2291, 22.2880, -1.2200

Details

The XYZ color **12.0255, 8.5434, 10.6881** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **11.4783, 16.5546, 13.9004**, and the grayscale version is **8.4231, 8.8617, 9.6504**.

A 20% lighter version of the original color is **29.1182, 23.0655, 27.7283**, and **3.4547, 1.9594, 2.6787** is the 20% darker color. If you saturate the color by 10%, you get **11.1404, 7.2244, 9.0022**, and if you desaturate by 10%, it is **13.0951, 10.1871, 12.5720**.

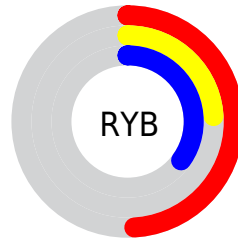
Distribution



Red (49%)

Green (24%)

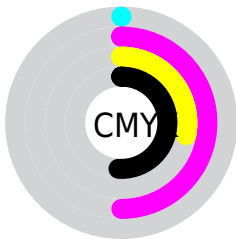
Blue (35%)



Red (49%)

Yellow (24%)

Blue (35%)

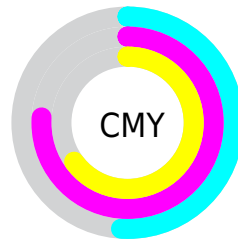


Cyan (0%)

Magenta (50%)

Yellow (28%)

Black (51%)



Cyan (51%)

Magenta (76%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0255, 8.5434, 10.6881 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 12.0255, 8.5434, 10.6881 by changing the saturation by 10% instead.

12.0255, 8.5434,
10.6881

12.0255, 8.5434,
10.6881

198.3405,
179.9342, 206.1751

6.8334, 4.4446,
5.7460

29.1580, 23.0170,
27.7097

3.4035, 1.9252,
2.6250

41.8291, 34.1606,
40.6263

1.3706, 0.5635,
0.9053

57.7238, 48.4213,
57.0382

0.2351, 0.0000,
0.0000

77.2076, 66.1834,
77.3638

0.0000, 0.0000,
0.0000

100.6459, 87.8313,
102.0218

128.4038,

113.7495, 131.4306

160.8469,
144.3223, 166.0089

■ 12.0255, 8.5434,
10.6881

■ 12.0255, 8.5434,
10.6881

■ 11.1404, 7.2244,
9.0022

■ 13.0951, 10.1871,
12.5720

■ 10.4275, 6.2067,
7.5061

■ 14.3590, 12.1742,
14.6605

■ 9.8739, 5.4659,
6.1919

■ 15.8273, 14.5235,
16.9604

■ 9.4645, 4.9732,
5.0505

■ 17.5089, 17.2519,
19.4780

■ 9.1603, 4.6411,
4.0973

■ 19.4124, 20.3755,
22.2195

■ 21.5459, 23.9092,
25.1906

■ 23.9168, 27.8674,
28.3968

■ 26.5324, 32.2635,
31.8435

■ 29.3998, 37.1106,
35.5358

Harmonies

Analogous

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



11.1545, 8.5434, 16.7191



12.0255, 8.5434, 10.6881



11.7348, 8.5434, 6.0463

Triad

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



12.0255, 8.5434, 10.6881



6.8852, 8.5434, 2.8424



6.1935, 8.5434, 19.4662

Complementary

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



12.0255, 8.5434, 10.6881



11.4783, 16.5546, 13.9004

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.



5.3365, 8.5434, 13.5572



12.0255, 8.5434, 10.6881



5.6931, 8.5434, 4.4856

Square

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



12.0255, 8.5434, 10.6881



8.5907, 8.5434, 2.5593



5.1678, 8.5434, 8.0418



7.6673, 8.5434, 22.8671

Rectangle

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



12.0255, 8.5434, 10.6881



10.9384, 8.5434, 4.1262



5.1678, 8.5434, 8.0418



5.8331, 8.5434, 17.6229

Sweetspot

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



12.0257, 8.5438, 10.6883



29.8102, 28.3810, 32.5922



10.3172, 7.4486, 20.2959



6.6641, 6.2667, 7.2384



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.



12.0257, 8.5438, 10.6883



19.8011, 12.7203, 15.8225



11.2262, 8.5061, 5.6081



4.4010, 4.3735, 4.9161



9.5572, 4.8426, 4.2580



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.0257, 8.5438, 10.6883



19.8011, 12.7203, 15.8225



12.6296, 16.3872, 21.8994



4.4010, 4.3735, 4.9161



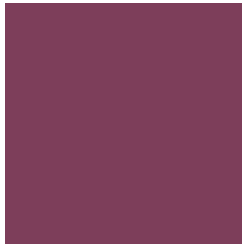
9.5572, 4.8426, 4.2580



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.0255, 8.5434, 10.6881 looks on a white background.

Color Contrast Check

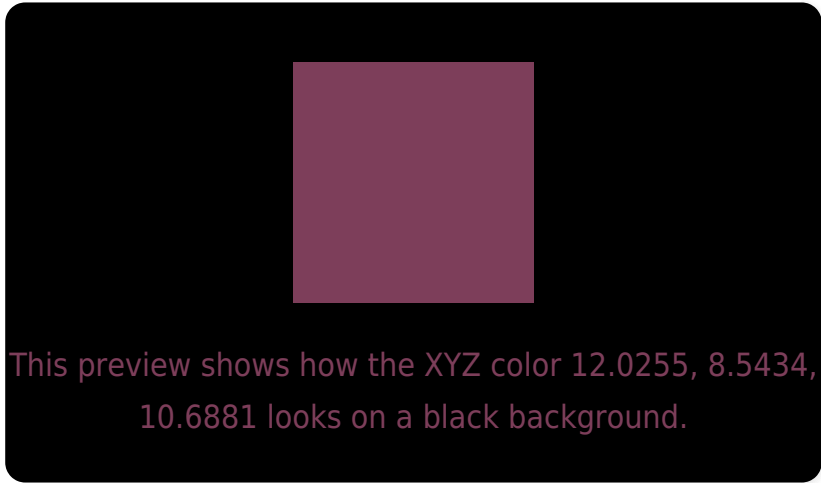
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0255, 8.5434, 10.6881

Background



This preview shows how black text looks on a background with the XYZ color 12.0255, 8.5434, 10.6881.

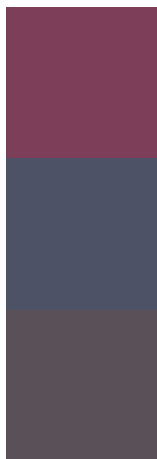


This preview shows how white text looks on a background with the XYZ color 12.0255, 8.5434,

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

12.0255, 8.5434, 10.6881

Protanopia

8.6074, 8.6336, 14.0448

Deuteranopia

8.7826, 8.6968, 10.2326



Tritanopia

11.2539, 8.5623, 7.0208

Trichromacy



Original Color

12.0255, 8.5434, 10.6881

Protanomaly

9.4400, 8.3469, 12.6688

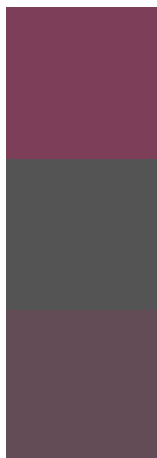
Deuteranomaly

9.6897, 8.4269, 10.3484

Tritanomaly

11.5776, 8.6157, 8.2605

Monochromacy



Original Color

12.0255, 8.5434, 10.6881

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.4097, 8.4934, 9.9475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0255, 8.5434, 10.6881 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(125, 62, 90)` looks like.

```
.text, #text, p{  
    color:rgb(125, 62, 90)  
}
```

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(125, 62, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 62, 90) }
```

Border

The CSS property to change the border of an element to XYZ 12.0255, 8.5434, 10.6881 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(125, 62, 90) }
```


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

```
.border{ border-color:rgb(125, 62, 90) }
```

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

Here you see how a box with a 4 pixel rgb(125, 62, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 62, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 62, 90);  
box-shadow:4px 4px 4px 4px rgb(125, 62,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0255, 8.5434, 10.6881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 62, 90) }
```

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

```
.background{ background-color: rgb(125, 62,  
90) }
```

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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