

Converting Colors

XYZ(12.3600, 8.9230, 7.3014)

Have a look what the booklet for
XYZ(12.3600, 8.9230, 7.3014)
contains.

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Color

**XYZ(12.3961, 8.9731,
7.3820)**

Conversions

Conversions Part 1

Format	Color
Hex	834049
RGB	131, 64, 73
RGB Percent	51%, 25%, 29%
CMY	0.4863, 0.7490, 0.7137
CMYK	0.00, 0.51, 0.44, 0.49
HSL	352°, 34%, 38%
HSV	352°, 51%, 51%
XYZ	12.3961, 8.9731, 7.3820
YIQ	85.0590, 37.0430, 17.0030

Conversions

Conversions Part 2

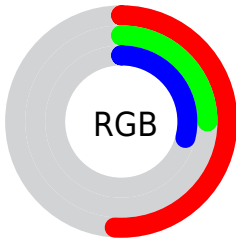
Format	Color
R_{YB}	131, 64, 73
Decimal	8601673
CIE _{Lab}	35.93, 29.72, 7.99
CIE _{LCh}	36, 30.771, 15.044
Yxy	8.9731, 0.4312, 0.3121
Android (android.graphics.Color)	4286791753 (0xFF834049)
YUV	85.0590, -5.9451, 40.2903
Hunter-Lab	29.9551, 21.4458, 6.3574

Details

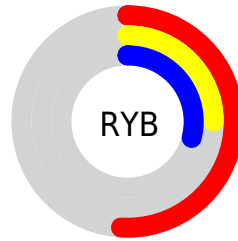
The XYZ color **12.3961, 8.9731, 7.3820** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **13.7440, 18.7280, 21.3039**, and the grayscale version is **8.6538, 9.1045, 9.9148**.

A 20% lighter version of the original color is **29.7182, 23.8542, 21.1272**, and **3.5615, 2.0840, 1.4428** is the 20% darker color. If you saturate the color by 10%, you get **11.3999, 7.5286, 5.3610**, and if you desaturate by 10%, it is **13.6349, 10.7930, 9.8224**.

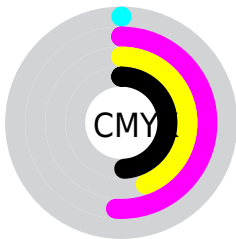
Distribution



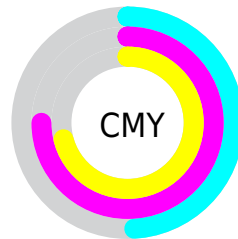
- Red (51%)
- Green (25%)
- Blue (29%)



- Red (51%)
- Yellow (25%)
- Blue (29%)



- Cyan (0%)
- Magenta (51%)
- Yellow (44%)
- Black (49%)





- Cyan (49%)
- Magenta (75%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3961, 8.9731, 7.3820 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 12.3961, 8.9731, 7.3820 by changing the saturation by 10% instead.

 12.3961, 8.9731,
7.3820


 12.3961, 8.9731,
7.3820


200.7270,
183.1771, 180.5507


 7.0882, 4.7236,
3.6201


 29.8251, 23.8452,
21.2635


 3.5641, 2.0860,
1.4193

 42.6769, 35.2366,
32.2201


 1.4586, 0.6568,
0.1567

 58.7741, 49.7774,
46.4121

 0.2974, 0.0000,
0.0000

 78.4819, 67.8521,
64.2579

 0.0000, 0.0000,
0.0000

 102.1657, 89.8450,
86.1762

 130.1910,

116.1406, 112.5854

162.9229,
147.1231, 143.9040

■ 12.3961, 8.9731,
7.3820

■ 12.3961, 8.9731,
7.3820

■ 11.3999, 7.5286,
5.3610

■ 13.6349, 10.7930,
9.8224

■ 10.6296, 6.4321,
3.7351

■ 15.1302, 13.0107,
12.7037

■ 10.0673, 5.6543,
2.4784

■ 16.8957, 15.6484,
16.0462

■ 9.6921, 5.1609,
1.5613

■ 18.9438, 18.7261,
19.8692

■ 9.4660, 4.8677,
0.9956

■ 21.2864, 22.2627,
24.1905

■ 23.9343, 26.2759,
29.0273

■ 26.8981, 30.7826,
34.3959

■ 30.1878, 35.7988,
40.3117

■ 33.8129, 41.3396,
46.7896

Harmonies

Analogous

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



12.3979, 8.9731, 12.6072



12.3961, 8.9731, 7.3820



11.2629, 8.9731, 4.2351

Triad

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



12.3961, 8.9731, 7.3820



6.2740, 8.9731, 4.2414



7.6528, 8.9731, 23.0903

Complementary

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



12.3961, 8.9731, 7.3820



13.7440, 18.7280, 21.3039

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.



6.2771, 8.9731, 18.7721



12.3961, 8.9731, 7.3820



5.5620, 8.9731, 7.3943

Square

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



12.3961, 8.9731, 7.3820



7.6480, 8.9731, 2.9139



5.5630, 8.9731, 12.6248



9.4745, 8.9731, 23.0833

Rectangle

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



12.3961, 8.9731, 7.3820



10.1004, 8.9731, 3.1877



5.5630, 8.9731, 12.6248



7.1291, 8.9731, 22.0433

Sweetspot

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



12.3963, 8.9736, 7.3822



32.3194, 31.1192, 32.5965



13.8086, 9.3673, 22.5531



7.3706, 7.0138, 7.3017



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.3963, 8.9736, 7.3822



20.2185, 13.2002, 9.1938



13.7306, 12.0854, 6.4601



4.6962, 4.6982, 5.0124



9.3184, 4.7917, 0.9833



0.0338, 0.0172, 0.0114

Inverse Universe

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



12.3963, 8.9736, 7.3822



20.2185, 13.2002, 9.1938



11.5267, 13.3596, 23.4440



4.6962, 4.6982, 5.0124



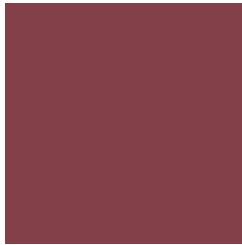
9.3184, 4.7917, 0.9833



0.0338, 0.0172, 0.0114

Previews

White Background



This preview shows how the XYZ color 12.3961, 8.9731, 7.3820 looks on a white background.

Color Contrast Check

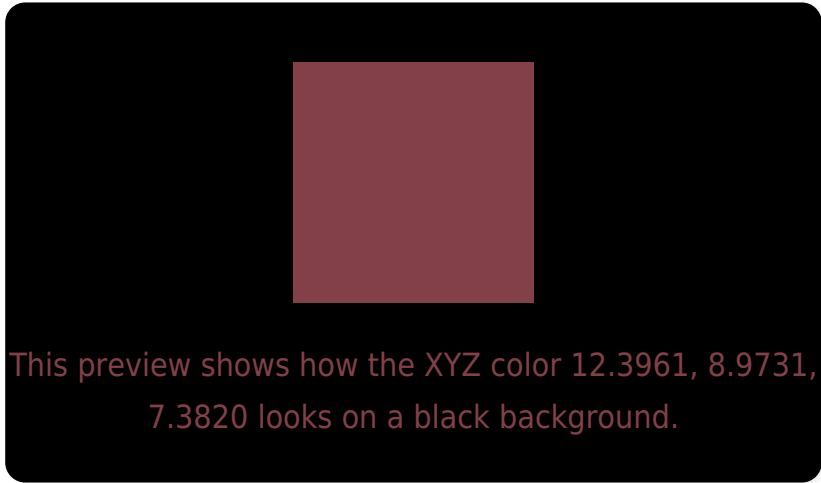
Large Text (above 18pt) WCAG AA ✓ Pass

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

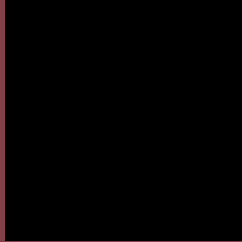
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3961, 8.9731, 7.3820

Background



This preview shows how black text looks on a background with the XYZ color 12.3961, 8.9731, 7.3820.



This preview shows how white text looks on a background with the XYZ color 12.3961, 8.9731,

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

12.3961, 8.9731, 7.3820

Protanopia

8.7792, 9.1633, 9.6935

Deuteranopia

9.2684, 9.1294, 7.0680



Tritanopia

12.3245, 9.0356, 6.7247

Trichromacy



Original Color

12.3961, 8.9731, 7.3820

Protanomaly

9.6954, 8.7705, 8.7713

Deuteranomaly

10.2090, 8.8666, 7.1346

Tritanomaly

12.3559, 9.0481, 6.8896

Monochromacy



Original Color

12.3961, 8.9731, 7.3820

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.6186, 8.7266, 8.9620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3961, 8.9731, 7.3820 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(131, 64, 73)` looks like.

```
.text, #text, p{  
    color:rgb(131, 64, 73)  
}
```

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(131, 64, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 64, 73) }
```

Border

The CSS property to change the border of an element to XYZ 12.3961, 8.9731, 7.3820 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(131, 64, 73) }
```


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

```
.border{ border-color:rgb(131, 64, 73) }
```

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

Here you see how a box with a 4 pixel rgb(131, 64, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 64, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 64, 73);  
box-shadow:4px 4px 4px 4px rgb(131, 64,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3961, 8.9731, 7.3820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 64, 73) }
```

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

```
.background{ background-color: rgb(131, 64,  
73) }
```

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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