

Converting Colors

XYZ(12.0341, 8.9403, 7.7035)

Have a look what the booklet for
XYZ(12.0341, 8.9403, 7.7035)
contains.

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Color

**XYZ(12.1203, 8.9936,
7.7537)**

Conversions

Conversions Part 1

Format	Color
Hex	80424B
RGB	128, 66, 75
RGB Percent	50%, 26%, 29%
CMY	0.4980, 0.7412, 0.7059
CMYK	0.00, 0.48, 0.41, 0.50
HSL	351°, 32%, 38%
HSV	351°, 48%, 50%
XYZ	12.1203, 8.9936, 7.7537
YIQ	85.5640, 34.0630, 15.9430

Conversions

Conversions Part 2

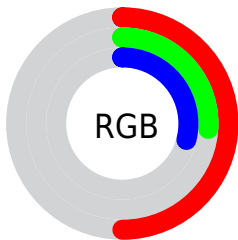
Format	Color
R_{YB}	128, 66, 75
Decimal	8405579
CIE Lab	35.97, 27.65, 6.71
CIE LCh	36, 28.453, 13.637
Yxy	8.9936, 0.4199, 0.3115
Android (android.graphics.Color)	4286595659 (0xFF80424B)
YUV	85.5640, -5.2081, 37.2164
Hunter-Lab	29.9893, 19.6601, 5.6632

Details

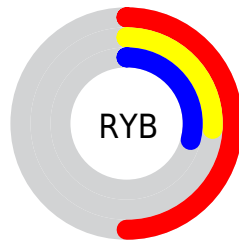
The XYZ color **12.1203, 8.9936, 7.7537** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **13.2962, 17.9287, 20.2136**, and the grayscale version is **8.7589, 9.2151, 10.0352**.

A 20% lighter version of the original color is **29.2973, 23.7840, 22.1154**, and **3.4607, 2.1012, 1.5195** is the 20% darker color. If you saturate the color by 10%, you get **11.1116, 7.5248, 5.7259**, and if you desaturate by 10%, it is **13.3613, 10.8238, 10.1770**.

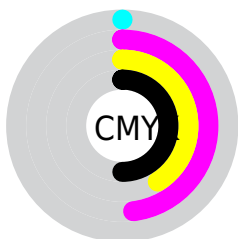
Distribution



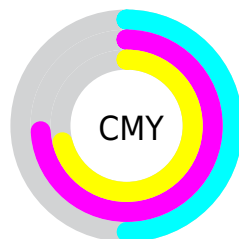
- Red (50%)
- Green (26%)
- Blue (29%)



- Red (50%)
- Yellow (26%)
- Blue (29%)



- Cyan (0%)
- Magenta (48%)
- Yellow (41%)
- Black (50%)



- Cyan (50%)
- Magenta (74%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1203, 8.9936, 7.7537 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 12.1203, 8.9936, 7.7537 by changing the saturation by 10% instead.

■ 12.1203, 8.9936,
7.7537

■ 12.1203, 8.9936,
7.7537

198.9538,
183.3301, 183.6491

■ 6.8984, 4.7370,
3.8522

■ 29.3290, 23.8845,
22.0123

■ 3.4444, 2.0938,
1.5446

■ 42.0465, 35.2876,
33.2065

■ 1.3929, 0.6611,
0.2509

■ 57.9933, 49.8417,
47.6688

■ 0.2512, 0.0000,
0.0000

■ 77.5347, 67.9311,
65.8176

■ 0.0000, 0.0000,
0.0000

■ 101.0361, 89.9402,
88.0715

128.8629,

116.2535, 114.8490

161.3803,
147.2554, 146.5687

■ 12.1203, 8.9936,
7.7537

■ 12.1203, 8.9936,
7.7537

■ 11.1116, 7.5248,
5.7259

■ 13.3613, 10.8238,
10.1770

■ 10.3198, 6.3922,
4.0720

■ 14.8473, 13.0359,
13.0149

■ 9.7290, 5.5694,
2.7690


■ 16.5908, 15.6503,
16.2858

■ 9.3205, 5.0255,
1.7911

■ 18.6031, 18.6857,
20.0068


■ 9.0527, 4.6842,
1.1023


■ 20.8952, 22.1594,
24.1941

 9.0160, 4.6348,
1.0166

 23.4772, 26.0881,
28.8632

 26.3588, 30.4872,
34.0288

 29.5491, 35.3717,
39.7049

 33.0571, 40.7557,
45.9050

Harmonies

Analogous

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



12.0698, 8.9936, 12.6626



12.1203, 8.9936, 7.7537



11.1288, 8.9936, 4.6627

Triad

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



12.1203, 8.9936, 7.7537



6.4917, 8.9936, 4.4740



7.6630, 8.9936, 21.7469

Complementary

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



12.1203, 8.9936, 7.7537



13.2962, 17.9287, 20.2136

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.



6.4009, 8.9936, 17.7435



12.1203, 8.9936, 7.7537



5.7883, 8.9936, 7.3926

Square

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



12.1203, 8.9936, 7.7537



7.8030, 8.9936, 3.2368



5.7574, 8.9936, 12.1606



9.3393, 8.9936, 21.9430

Rectangle

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



12.1203, 8.9936, 7.7537



10.0776, 8.9936, 3.5868



5.7574, 8.9936, 12.1606



7.1818, 8.9936, 20.7542

Sweetspot

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



12.1205, 8.9941, 7.7539



30.2538, 29.1254, 30.6118



13.4114, 9.3562, 21.5212



6.9417, 6.6059, 6.9043



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.1205, 8.9941, 7.7539



19.4229, 13.0456, 9.7930



13.3509, 11.9133, 6.7506



4.3512, 4.3537, 4.6541



8.9404, 4.5958, 1.0099



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.1205, 8.9941, 7.7539



19.4229, 13.0456, 9.7930



11.3284, 13.0872, 22.3511



4.3512, 4.3537, 4.6541



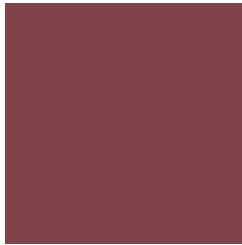
8.9404, 4.5958, 1.0099



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.1203, 8.9936, 7.7537 looks on a white background.

Color Contrast Check

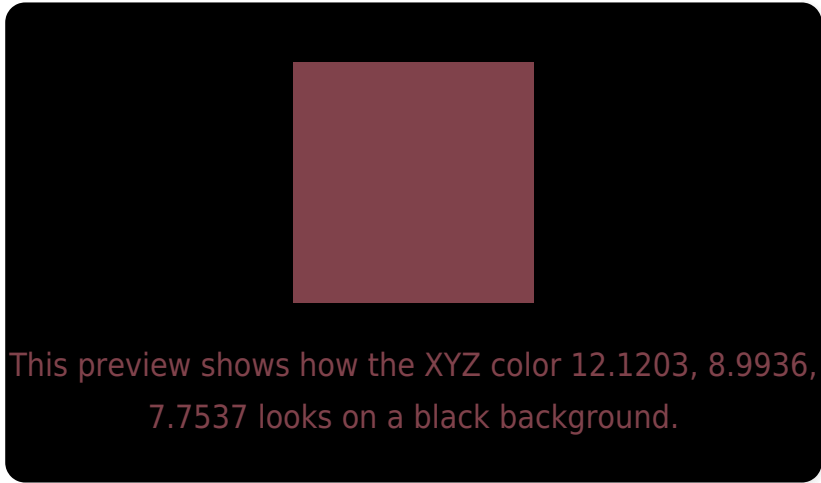
Large Text (above 18pt) WCAG AA ✓ Pass

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

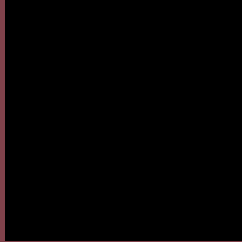
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1203, 8.9936, 7.7537

Background



This preview shows how black text looks on a background with the XYZ color 12.1203, 8.9936, 7.7537.



This preview shows how white text looks on a background with the XYZ color 12.1203, 8.9936,

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

12.1203, 8.9936, 7.7537

Protanopia

8.8187, 9.1791, 9.9013

Deuteranopia

9.2240, 9.0991, 7.4010



Tritanopia

12.0466, 9.0584, 7.0748

Trichromacy



Original Color

12.1203, 8.9936, 7.7537

Protanomaly

9.6891, 8.8676, 8.9855

Deuteranomaly

10.0937, 8.9011, 7.4894

Tritanomaly

12.0789, 9.0714, 7.2452

Monochromacy



Original Color

12.1203, 8.9936, 7.7537

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.6858, 8.9679, 9.2031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1203, 8.9936, 7.7537 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(128, 66, 75)` looks like.

```
.text, #text, p{  
    color:rgb(128, 66, 75)  
}
```

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(128, 66, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 66, 75) }
```

Border

The CSS property to change the border of an element to XYZ 12.1203, 8.9936, 7.7537 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(128, 66, 75) }
```


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

```
.border{ border-color:rgb(128, 66, 75) }
```

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

Here you see how a box with a 4 pixel rgb(128, 66, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 66, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 66, 75);  
box-shadow:4px 4px 4px 4px rgb(128, 66,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1203, 8.9936, 7.7537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 66, 75) }
```

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

```
.background{ background-color: rgb(128, 66,  
75) }
```

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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