

Converting Colors

XYZ(12.1016, 7.7638, 11.3579)

Have a look what the booklet for
XYZ(12.1016, 7.7638, 11.3579)
contains.

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Color

**XYZ(12.1063, 7.7650,
11.4504)**

Conversions

Conversions Part 1

Format	Color
Hex	80335E
RGB	128, 51, 94
RGB Percent	50%, 20%, 37%
CMY	0.4980, 0.8000, 0.6314
CMYK	0.00, 0.60, 0.27, 0.50
HSL	326°, 43%, 35%
HSV	326°, 60%, 50%
XYZ	12.1063, 7.7650, 11.4504
YIQ	78.9250, 32.0890, 29.6970

Conversions

Conversions Part 2

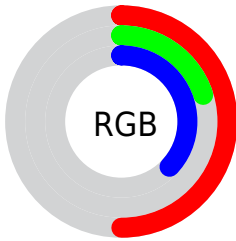
Format	Color
R_{YB}	128, 51, 94
Decimal	8401758
CIE _{Lab}	33.49, 38.26, -9.08
CIE _{LCh}	33, 39.320, 346.653
Yxy	7.7650, 0.3865, 0.2479
Android (android.graphics.Color)	4286591838 (0xFF80335E)
YUV	78.9250, 7.4320, 43.0388
Hunter-Lab	27.8657, 28.7844, -4.8570

Details

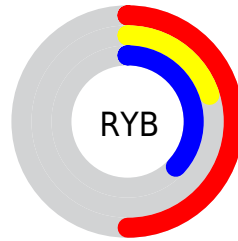
The XYZ color **12.1063, 7.7650, 11.4504** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **10.7245, 16.7983, 11.2723**, and the grayscale version is **7.3997, 7.7850, 8.4779**.

A 20% lighter version of the original color is **29.2162, 21.3883, 28.9740**, and **3.5140, 1.7499, 2.9489** is the 20% darker color. If you saturate the color by 10%, you get **11.3777, 6.6989, 10.0017**, and if you desaturate by 10%, it is **13.0080, 9.1473, 13.0486**.

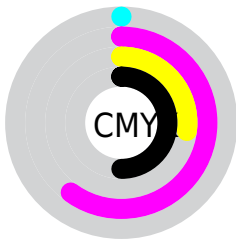
Distribution



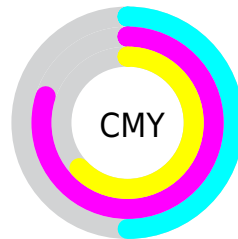
- Red (50%)
- Green (20%)
- Blue (37%)



- Red (50%)
- Yellow (20%)
- Blue (37%)



- Cyan (0%)
- Magenta (60%)
- Yellow (27%)
- Black (50%)



- Cyan (50%)
- Magenta (80%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1063, 7.7650, 11.4504 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 12.1063, 7.7650, 11.4504 by changing the saturation by 10% instead.

12.1063, 7.7650,
11.4504

12.1063, 7.7650,
11.4504

198.8633,
173.8770, 211.5792

6.8888, 3.9449,
6.2527

29.3037, 21.4964,
29.1394

3.4384, 1.6428,
2.9281

42.0144, 32.1766,
42.4677

1.3896, 0.3862,
1.0580

57.9535, 45.9123,
59.3432

0.2488, 0.0000,
0.0000

77.4865, 63.0879,
80.1846

0.0000, 0.0000,
0.0000

100.9786, 84.0877,
105.4104

128.7952,

109.2963, 135.4390

161.3016,
139.0979, 170.6891

■ 12.1063, 7.7650,
11.4504

■ 12.1063, 7.7650,
11.4504

■ 11.3777, 6.6989,
10.0017

■ 13.0080, 9.1473,
13.0486

■ 10.8081, 5.9217,
8.6955

■ 14.0939, 10.8679,
14.8018

■ 10.3821, 5.4035,
7.5250

■ 15.3751, 12.9482,
16.7154

■ 10.0549, 5.0503,
6.4868

■ 16.8616, 15.4073,
18.7946

■ 18.5624, 18.2633,
21.0442

■ 20.4864, 21.5328,
23.4688

■ 22.6416, 25.2316,
26.0727

■ 25.0358, 29.3747,
28.8601

■ 27.6764, 33.9764,
31.8351

Harmonies

Analogous

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



10.7640, 7.7650, 19.2837



12.1063, 7.7650, 11.4504



12.0218, 7.7650, 5.5281

Triad

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



12.1063, 7.7650, 11.4504



6.2715, 7.7650, 1.4729



4.9184, 7.7650, 20.1215

Complementary

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



12.1063, 7.7650, 11.4504



10.7245, 16.7983, 11.2723

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.



4.1201, 7.7650, 12.2662



12.1063, 7.7650, 11.4504



4.7925, 7.7650, 2.7018

Square

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



12.1063, 7.7650, 11.4504



8.3633, 7.7650, 1.4191



4.0790, 7.7650, 6.0333



6.4777, 7.7650, 25.6893

Rectangle

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



12.1063, 7.7650, 11.4504



11.1628, 7.7650, 3.2206



4.0790, 7.7650, 6.0333



4.5664, 7.7650, 17.5280

Sweetspot

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



12.1065, 7.7654, 11.4505



30.1805, 27.9503, 33.7577



8.7696, 5.8284, 21.0850



6.9003, 6.2673, 7.6790



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.



12.1065, 7.7654, 11.4505



19.6502, 11.2596, 16.7758



10.8033, 7.2441, 4.5879



4.4204, 4.3813, 5.0184



9.9708, 5.0080, 6.4358



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.1065, 7.7654, 11.4505



19.6502, 11.2596, 16.7758



12.6515, 17.5691, 21.4197



4.4204, 4.3813, 5.0184



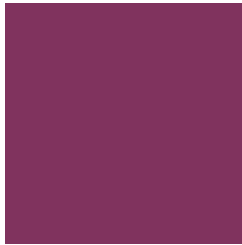
9.9708, 5.0080, 6.4358



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.1063, 7.7650, 11.4504 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



This preview shows how the XYZ color 12.1063, 7.7650, 11.4504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

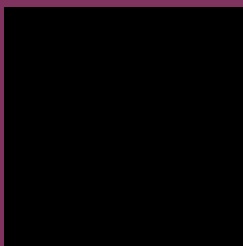
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1063, 7.7650, 11.4504

Background



This preview shows how black text looks on a background with the XYZ color 12.1063, 7.7650, 11.4504.



This preview shows how white text looks on a background with the XYZ color 12.1063, 7.7650,

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

12.1063, 7.7650, 11.4504

Protanopia

8.1593, 7.9062, 16.7188

Deuteranopia

8.0495, 7.9808, 10.7891



Tritanopia

10.8400, 7.7339, 5.4789

Trichromacy



Original Color

12.1063, 7.7650, 11.4504

Protanomaly

8.8851, 7.3485, 14.5858

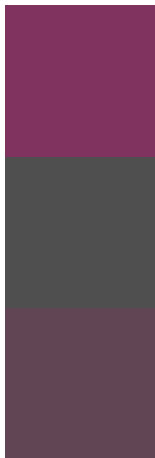
Deuteranomaly

9.1010, 7.5422, 10.8736

Tritanomaly

11.2064, 7.6624, 7.3669

Monochromacy



Original Color

12.1063, 7.7650, 11.4504

Achromatopsia

7.4317, 7.8187, 8.5146

Achromatomaly

8.6581, 7.4377, 9.3668

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1063, 7.7650, 11.4504 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, 51, 94)` looks like.

```
.text, #text, p{  
    color:rgb(128, 51, 94)  
}
```

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, 51, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 51, 94) }
```

Border

The CSS property to change the border of an element to XYZ 12.1063, 7.7650, 11.4504 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, 51, 94) }
```


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

```
.border{ border-color:rgb(128, 51, 94) }
```

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

Here you see how a box with a 4 pixel rgb(128, 51, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 51, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 51, 94);  
box-shadow:4px 4px 4px 4px rgb(128, 51,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1063, 7.7650, 11.4504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 51, 94) }
```

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

```
.background{ background-color: rgb(128, 51,  
94) }
```

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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