

Converting Colors

XYZ(12.1043, 7.4951, 6.4507)

Have a look what the booklet for
XYZ(12.1043, 7.4951, 6.4507)
contains.

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Color

**XYZ(12.1659, 7.5407,
6.4445)**

Conversions

Conversions Part 1

Format	Color
Hex	882D45
RGB	136, 45, 69
RGB Percent	53%, 18%, 27%
CMY	0.4667, 0.8235, 0.7294
CMYK	0.00, 0.67, 0.49, 0.47
HSL	344°, 50%, 35%
HSV	344°, 67%, 53%
XYZ	12.1659, 7.5407, 6.4445
YIQ	74.9450, 46.5320, 26.7560

Conversions

Conversions Part 2

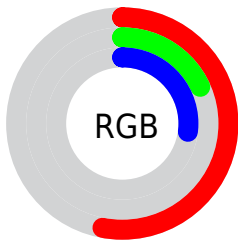
Format	Color
R_{YB}	136, 45, 69
Decimal	8924485
CIE _{Lab}	33.01, 40.74, 6.55
CIE _{LCh}	33, 41.268, 9.137
Yxy	7.5407, 0.4652, 0.2884
Android (android.graphics.Color)	4287114565 (0xFF882D45)
YUV	74.9450, -2.9309, 53.5452
Hunter-Lab	27.4603, 31.0262, 5.3078

Details

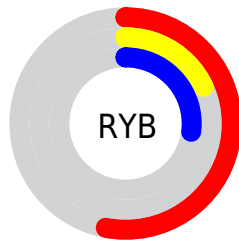
The XYZ color **12.1659, 7.5407, 6.4445** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **12.8115, 19.3362, 18.3878**, and the grayscale version is **6.6775, 7.0253, 7.6505**.

A 20% lighter version of the original color is **29.3861, 20.9876, 19.3318**, and **3.5798, 1.8239, 1.1407** is the 20% darker color. If you saturate the color by 10%, you get **11.4430, 6.5512, 4.7972**, and if you desaturate by 10%, it is **13.1089, 8.8865, 8.4242**.

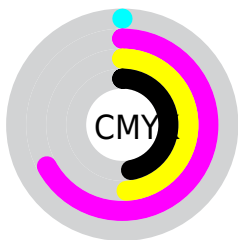
Distribution



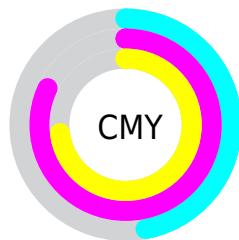
- Red (53%)
- Green (18%)
- Blue (27%)



- Red (53%)
- Yellow (18%)
- Blue (27%)



- Cyan (0%)
- Magenta (67%)
- Yellow (49%)
- Black (47%)





- Cyan (47%)
- Magenta (82%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1659, 7.5407, 6.4445 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 12.1659, 7.5407, 6.4445 by changing the saturation by 10% instead.


 12.1659, 7.5407,
6.4445


 12.1659, 7.5407,
6.4445


199.2481,
172.0838, 172.4166


 6.9298, 3.8025,
3.0441


 29.4111, 21.0530,
19.3401


 3.4642, 1.5637,
1.1172

 42.1510, 31.5958,
29.6724


 1.4037, 0.3329,
0.0000

 58.1227, 45.1757,
43.1524

 0.2589, 0.0000,
0.0000

 77.6918, 62.1769,
60.1986

 0.0000, 0.0000,
0.0000

 101.2235, 82.9840,
81.2295

 129.0832,

107.9812, 106.6638

161.6363,
137.5530, 136.9200

■ 12.1659, 7.5407,
6.4445

■ 12.1659, 7.5407,
6.4445

■ 11.4430, 6.5512,
4.7972

■ 13.1089, 8.8865,
8.4242

■ 10.9203, 5.8821,
3.4625

■ 14.2883, 10.6173,
10.7536

■ 10.5645, 5.4717,
2.4152

■ 15.7197, 12.7605,
13.4493

■ 10.4696, 5.3608,
2.1410

■ 17.4170, 15.3403,
16.5266

■ 19.3930, 18.3793,
20.0000

■ 21.6598, 21.8985,
23.8830

■ 24.2287, 25.9175,
28.1887

■ 27.1105, 30.4548,
32.9295

■ 30.3152, 35.5280,
38.1172

Harmonies

Analogous

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



11.8526, 7.5407, 13.2833



12.1659, 7.5407, 6.4445



10.9440, 7.5407, 2.7176

Triad

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



12.1659, 7.5407, 6.4445



4.8294, 7.5407, 1.9679



5.7729, 7.5407, 25.3629

Complementary

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



12.1659, 7.5407, 6.4445



12.8115, 19.3362, 18.3878

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.



4.3778, 7.5407, 18.3851



12.1659, 7.5407, 6.4445



3.9150, 7.5407, 4.6282

Square

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



12.1659, 7.5407, 6.4445



6.5206, 7.5407, 1.1398



3.7684, 7.5407, 10.2729



7.8552, 7.5407, 26.7362

Rectangle

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



12.1659, 7.5407, 6.4445



9.5452, 7.5407, 1.6082



3.7684, 7.5407, 10.2729



5.2211, 7.5407, 23.4717

Sweetspot

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



12.1661, 7.5411, 6.4446



32.8909, 30.4066, 33.0063



12.0309, 7.0822, 24.0253



7.4192, 6.7374, 7.2962



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



12.1661, 7.5411, 6.4446



19.6796, 10.9095, 7.2521



12.5892, 9.3480, 3.6240



5.0835, 5.0688, 5.5283



9.9127, 5.0752, 2.0446



0.0712, 0.0359, 0.0418

Inverse Universe

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



12.1661, 7.5411, 6.4446



19.6796, 10.9095, 7.2521



11.6307, 14.5442, 25.4868



5.0835, 5.0688, 5.5283



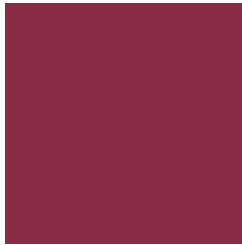
9.9127, 5.0752, 2.0446



0.0712, 0.0359, 0.0418

Previews

White Background



This preview shows how the XYZ color 12.1659, 7.5407, 6.4445 looks on a white background.

Color Contrast Check

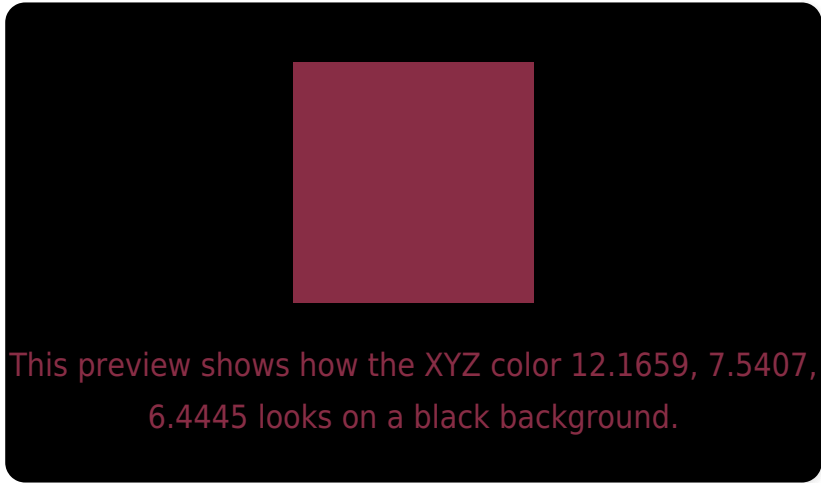
Large Text (above 18pt) WCAG AA ✓ Pass

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

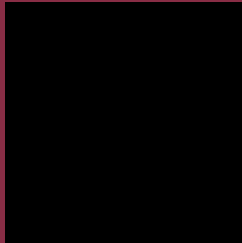
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.1659, 7.5407, 6.4445

Background



This preview shows how black text looks on a background with the XYZ color 12.1659, 7.5407, 6.4445.



This preview shows how white text looks on a background with the XYZ color 12.1659, 7.5407,

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

12.1659, 7.5407, 6.4445

Protanopia

7.5866, 7.7566, 10.1141

Deuteranopia

7.8530, 7.7747, 6.0878



Tritanopia

11.6875, 7.5865, 3.9803

Trichromacy



Original Color

12.1659, 7.5407, 6.4445

Protanomaly

8.5418, 7.1283, 8.5151

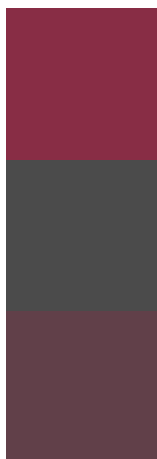
Deuteranomaly

8.9371, 7.2997, 6.0922

Tritanomaly

11.8123, 7.5703, 4.8416

Monochromacy



Original Color

12.1659, 7.5407, 6.4445

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

7.9658, 6.6892, 7.1746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1659, 7.5407, 6.4445 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(136, 45, 69)` looks like.

```
.text, #text, p{  
    color:rgb(136, 45, 69)  
}
```

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(136, 45, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 45, 69) }
```

Border

The CSS property to change the border of an element to XYZ 12.1659, 7.5407, 6.4445 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(136, 45, 69) }
```


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

```
.border{ border-color:rgb(136, 45, 69) }
```

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

Here you see how a box with a 4 pixel rgb(136, 45, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 45, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 45, 69);  
box-shadow:4px 4px 4px 4px rgb(136, 45,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1659, 7.5407, 6.4445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 45, 69) }
```

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

```
.background{ background-color: rgb(136, 45,  
69) }
```

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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