

Converting Colors

XYZ(12.5862, 8.1845, 9.8346)

Have a look what the booklet for
XYZ(12.5862, 8.1845, 9.8346)
contains.

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Color

**XYZ(12.6663, 8.2209,
9.9360)**

Conversions

Conversions Part 1

Format	Color
Hex	853557
RGB	133, 53, 87
RGB Percent	52%, 21%, 34%
CMY	0.4784, 0.7921, 0.6588
CMYK	0.00, 0.60, 0.35, 0.48
HSL	335°, 43%, 36%
HSV	335°, 60%, 52%
XYZ	12.6663, 8.2209, 9.9360
YIQ	80.7960, 36.7660, 27.5340

Conversions

Conversions Part 2

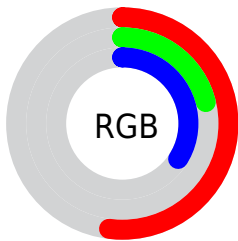
Format	Color
R_{YB}	133, 53, 87
Decimal	8729943
CIE Lab	34.44, 37.98, -3.08
CIE LCh	34, 38.108, 355.366
Yxy	8.2209, 0.4109, 0.2667
Android (android.graphics.Color)	4286920023 (0xFF853557)
YUV	80.7960, 3.0586, 45.7829
Hunter-Lab	28.6721, 28.6786, -0.4758

Details

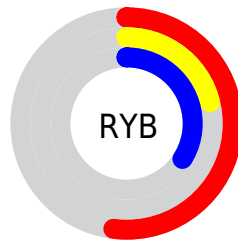
The XYZ color **12.6663, 8.2209, 9.9360** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **12.1084, 18.4331, 14.7253**, and the grayscale version is **7.7703, 8.1749, 8.9025**.

A 20% lighter version of the original color is **30.4519, 22.5256, 26.4098**, and **3.7262, 1.8726, 2.3556** is the 20% darker color. If you saturate the color by 10%, you get **11.8459, 7.0540, 8.2018**, and if you desaturate by 10%, it is **13.6886, 9.7385, 11.9011**.

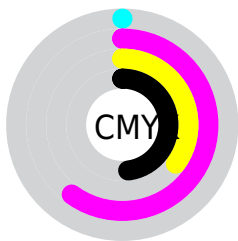
Distribution



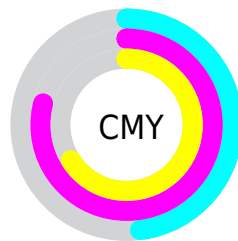
- Red (52%)
- Green (21%)
- Blue (34%)



- Red (52%)
- Yellow (21%)
- Blue (34%)



- Cyan (0%)
- Magenta (60%)
- Yellow (35%)
- Black (48%)




- Cyan (48%)
- Magenta (79%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6663, 8.2209, 9.9360 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 12.6663, 8.2209, 9.9360 by changing the saturation by 10% instead.

 12.6663, 8.2209,
9.9360


 12.6663, 8.2209,
9.9360


202.4489,
177.4545, 200.6829


 7.2746, 4.2366,
5.2515


 30.3094, 22.3904,
26.2810

 3.6823, 1.8068,
2.3343

 43.2915, 33.3443,
38.7785


 1.5240, 0.4914,
0.7503

 59.5344, 47.3903,
54.7175

 0.3421, 0.0000,
0.0000

 79.4035, 64.9128,
74.5165

 0.0000, 0.0000,
0.0000

 103.2642, 86.2960,
98.5940

 131.4817,

111.9244, 127.3685

164.4215,
142.1825, 161.2586

■ 12.6663, 8.2209,
9.9360

■ 12.6663, 8.2209,
9.9360

■ 11.8459, 7.0540,
8.2018

■ 13.6886, 9.7385,
11.9011

■ 11.2114, 6.2074,
6.6877

■ 14.9257, 11.6314,
14.1059

■ 10.7452, 5.6479,
5.3827

■ 16.3903, 13.9231,
16.5595

■ 10.3995, 5.2772,
4.2790

■ 18.0939, 16.6352,
19.2700

■ 20.0470, 19.7875,
22.2453

■ 22.2596, 23.3986,
25.4929

■ 24.7412, 27.4860,
29.0199

■ 27.5006, 32.0663,
32.8333

■ 30.5465, 37.1553,
36.9395

Harmonies

Analogous

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



11.7055, 8.2209, 17.4429



12.6663, 8.2209, 9.9360



12.1455, 8.2209, 4.7972

Triad

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



12.6663, 8.2209, 9.9360



6.1824, 8.2209, 1.9728



5.7034, 8.2209, 22.5438

Complementary

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



12.6663, 8.2209, 9.9360



12.1084, 18.4331, 14.7253

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.



4.6580, 8.2209, 14.9978



12.6663, 8.2209, 9.9360



4.8971, 8.2209, 3.7906

Square

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



12.6663, 8.2209, 9.9360



8.1504, 8.2209, 1.5993



4.3922, 8.2209, 8.0337



7.4864, 8.2209, 26.5489

Rectangle

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



12.6663, 8.2209, 9.9360



11.0706, 8.2209, 2.9172



4.3922, 8.2209, 8.0337



5.2678, 8.2209, 20.2075

Sweetspot

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



12.6665, 8.2213, 9.9362



32.9776, 30.7137, 35.4000



10.5803, 6.8555, 22.9560



7.2423, 6.6191, 7.6846



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.



12.6665, 8.2213, 9.9362



20.7807, 12.0408, 13.6976



11.8458, 8.3039, 4.3472



4.7486, 4.7191, 5.2885



9.9096, 5.0282, 4.0963



0.0379, 0.0188, 0.0328

Inverse Universe

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



12.6665, 8.2213, 9.9362



20.7807, 12.0408, 13.6976



13.3779, 17.8021, 24.9215



4.7486, 4.7191, 5.2885



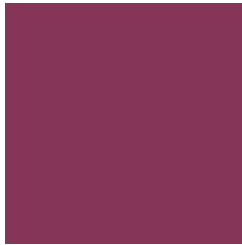
9.9096, 5.0282, 4.0963



0.0379, 0.0188, 0.0328

Previews

White Background



This preview shows how the XYZ color 12.6663, 8.2209, 9.9360 looks on a white background.

Color Contrast Check

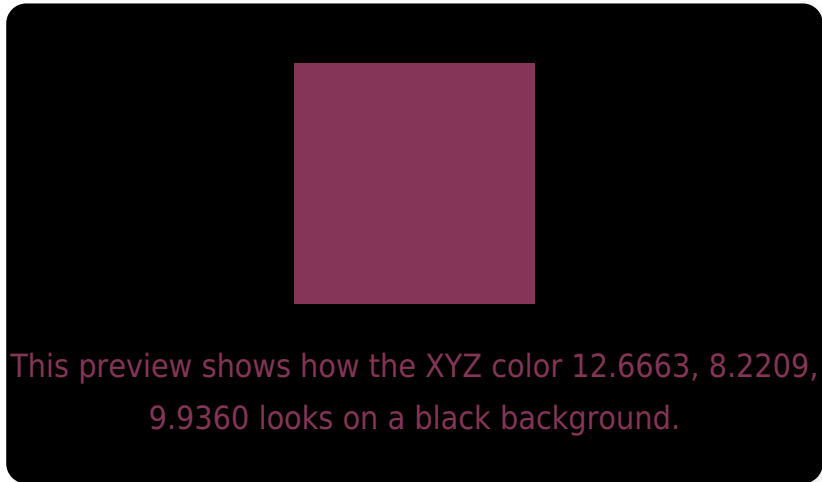
Large Text (above 18pt) WCAG AA ✓ Pass

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

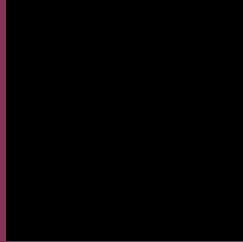
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.6663, 8.2209, 9.9360

Background



This preview shows how black text looks on a background with the XYZ color 12.6663, 8.2209, 9.9360.



This preview shows how white text looks on a background with the XYZ color 12.6663, 8.2209,

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

12.6663, 8.2209, 9.9360

Protanopia

8.4727, 8.4413, 14.5474

Deuteranopia

8.4771, 8.3403, 9.3467



Tritanopia

11.7426, 8.1992, 5.5211

Trichromacy



Original Color

12.6663, 8.2209, 9.9360

Protanomaly

9.3876, 7.9297, 12.5911

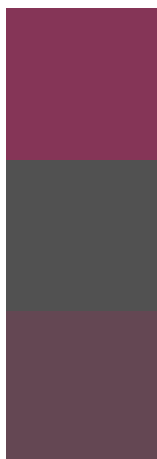
Deuteranomaly

9.6161, 8.0237, 9.4294

Tritanomaly

12.0672, 8.1888, 6.9058

Monochromacy



Original Color

12.6663, 8.2209, 9.9360

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.0701, 7.8403, 9.2189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6663, 8.2209, 9.9360 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(133, 53, 87)` looks like.

```
.text, #text, p{  
    color:rgb(133, 53, 87)  
}
```

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(133, 53, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 53, 87) }
```

Border

The CSS property to change the border of an element to XYZ 12.6663, 8.2209, 9.9360 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(133, 53, 87) }
```


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

```
.border{ border-color:rgb(133, 53, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 53, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 53, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 53, 87);  
box-shadow:4px 4px 4px 4px rgb(133, 53,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 12.6663, 8.2209, 9.9360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 53, 87) }
```

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

```
.background{ background-color: rgb(133, 53,  
87) }
```

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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