

Converting Colors

XYZ(12.7865, 8.2659, 10.8856)

Have a look what the booklet for
XYZ(12.7865, 8.2659, 10.8856)
contains.

XYZ(12.8343, 8.2881, 10.8208)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.8343, 8.2881,
10.8208)**

Conversions

Conversions Part 1

Format	Color
Hex	85355B
RGB	133, 53, 91
RGB Percent	52%, 21%, 36%
CMY	0.4784, 0.7921, 0.6431
CMYK	0.00, 0.60, 0.32, 0.48
HSL	332°, 43%, 36%
HSV	332°, 60%, 52%
XYZ	12.8343, 8.2881, 10.8208
YIQ	81.2520, 35.4820, 28.7780

Conversions

Conversions Part 2

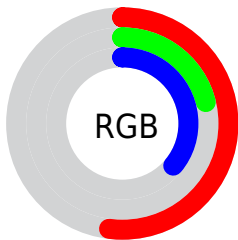
Format	Color
R_{YB}	133, 53, 91
Decimal	8729947
CIE _{Lab}	34.58, 38.52, -5.44
CIE _{LCh}	35, 38.899, 351.961
Yxy	8.2881, 0.4018, 0.2595
Android (android.graphics.Color)	4286920027 (0xFF85355B)
YUV	81.2520, 4.8058, 45.3830
Hunter-Lab	28.7891, 29.1953, -2.1327

Details

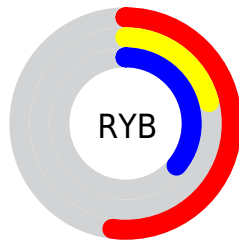
The XYZ color **12.8343, 8.2881, 10.8208** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **11.9218, 18.3584, 13.7428**, and the grayscale version is **7.8571, 8.2663, 9.0020**.

A 20% lighter version of the original color is **30.7443, 22.6425, 27.9493**, and **3.7819, 1.8949, 2.6491** is the 20% darker color. If you saturate the color by 10%, you get **12.0227, 7.1247, 9.1326**, and if you desaturate by 10%, it is **13.8428, 9.8002, 12.7131**.

Distribution



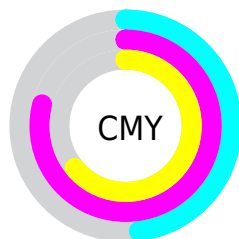
- Red (52%)
- Green (21%)
- Blue (36%)



- Red (52%)
- Yellow (21%)
- Blue (36%)



- Cyan (0%)
- Magenta (60%)
- Yellow (32%)
- Black (48%)




- Cyan (48%)
- Magenta (79%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.8343, 8.2881, 10.8208 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 12.8343, 8.2881, 10.8208 by changing the saturation by 10% instead.


 12.8343, 8.2881,
10.8208


 12.8343, 8.2881,
10.8208


203.5121,
177.9746, 207.1271


 7.3908, 4.2798,
5.8338


 30.6096, 22.5213,
27.9599


 3.7561, 1.8313,
2.6771

 43.6721, 33.5151,
40.9491

 1.5651, 0.5066,
0.9319

 60.0050, 47.6061,
57.4427

 0.3695, 0.0000,
0.0000

 79.9735, 65.1789,
77.8594

 0.0000, 0.0000,
0.0000

 103.9432, 86.6177,
102.6176

 132.2793,

112.3070, 132.1360

165.3471,
142.6311, 166.8329

■ 12.8343, 8.2881,
10.8208

■ 12.8343, 8.2881,
10.8208

■ 12.0227, 7.1247,
9.1326

■ 13.8428, 9.8002,
12.7131

■ 11.3921, 6.2797,
7.6392

■ 15.0607, 11.6854,
14.8171

■ 10.9253, 5.7199,
6.3311

■ 16.5007, 13.9673,
17.1406

■ 10.5749, 5.3474,
5.2025

■ 18.1737, 16.6671,
19.6905

■ 20.0903, 19.8048,
22.4736

■ 22.2603, 23.3988,
25.4964

■ 24.6927, 27.4666,
28.7649

■ 27.3965, 32.0246,
32.2850

■ 30.3799, 37.0886,
36.0624

Harmonies

Analogous

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



11.6875, 8.2881, 18.6992



12.8343, 8.2881, 10.8208



12.4715, 8.2881, 5.2194

Triad

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



12.8343, 8.2881, 10.8208



6.4034, 8.2881, 1.8185



5.5544, 8.2881, 22.2694

Complementary

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



12.8343, 8.2881, 10.8208



11.9218, 18.3584, 13.7428

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.



4.5781, 8.2881, 14.3363



12.8343, 8.2881, 10.8208



5.0012, 8.2881, 3.4407

Square

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



12.8343, 8.2881, 10.8208



8.4821, 8.2881, 1.5704



4.3964, 8.2881, 7.4386



7.3025, 8.2881, 27.0425

Rectangle

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



12.8343, 8.2881, 10.8208



11.4478, 8.2881, 3.1184



4.3964, 8.2881, 7.4386



5.1395, 8.2881, 19.7473

Sweetspot

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



12.8345, 8.2885, 10.8210



33.1101, 30.7667, 36.0975



10.1576, 6.6376, 22.9362



7.2756, 6.6324, 7.8598



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.



12.8345, 8.2885, 10.8210



21.1007, 12.1688, 15.3825



11.6506, 7.9135, 4.2821



4.7578, 4.7228, 5.3370



10.0768, 5.0951, 4.9767



0.0386, 0.0191, 0.0364

Inverse Universe

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



12.8345, 8.2885, 10.8210



21.1007, 12.1688, 15.3825



13.9083, 18.8628, 25.0982



4.7578, 4.7228, 5.3370



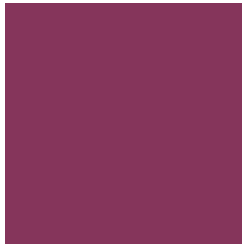
10.0768, 5.0951, 4.9767



0.0386, 0.0191, 0.0364

Previews

White Background



This preview shows how the XYZ color 12.8343, 8.2881, 10.8208 looks on a white background.

Color Contrast Check

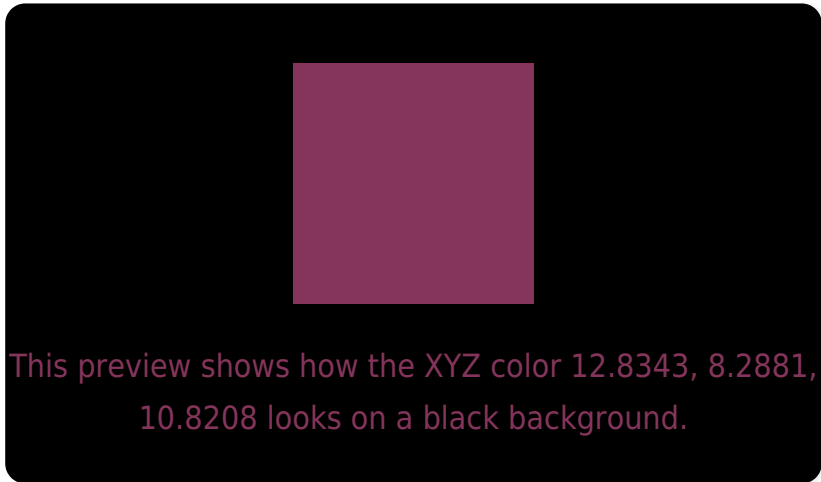
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8343, 8.2881, 10.8208

Background



This preview shows how black text looks on a background with the XYZ color 12.8343, 8.2881, 10.8208.



This preview shows how white text looks on a background with the XYZ color 12.8343, 8.2881, 10.8208.

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

12.8343, 8.2881, 10.8208

Protanopia

8.5809, 8.4665, 15.9338

Deuteranopia

8.6135, 8.5001, 10.2035



Tritanopia

11.8212, 8.3121, 5.6840

Trichromacy



Original Color

12.8343, 8.2881, 10.8208

Protanomaly

9.4207, 7.9186, 13.8639

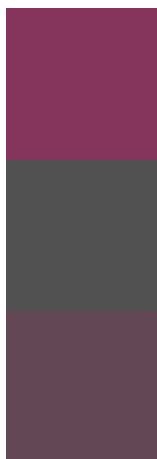
Deuteranomaly

9.6605, 8.0280, 10.2729

Tritanomaly

12.1814, 8.3128, 7.2658

Monochromacy



Original Color

12.8343, 8.2881, 10.8208

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.1485, 7.8717, 9.6315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8343, 8.2881, 10.8208 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(133, 53, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 53, 91) }
```

Border

The CSS property to change the border of an element to XYZ 12.8343, 8.2881, 10.8208 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, 91) }
```


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

```
.border{ border-color:rgb(133, 53, 91) }
```

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, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 53, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 53, 91);  
box-shadow:4px 4px 4px 4px rgb(133, 53,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8343, 8.2881, 10.8208 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, 91) }
```

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

```
.background{ background-color: rgb(133, 53,  
91) }
```

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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