

Converting Colors

XYZ(10.7949, 5.8678, 9.1406)

Have a look what the booklet for
XYZ(10.7949, 5.8678, 9.1406)
contains.

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Color

**XYZ(10.8684, 5.8983,
9.1600)**

Conversions

Conversions Part 1

Format	Color
Hex	801855
RGB	128, 24, 85
RGB Percent	50%, 9%, 33%
CMY	0.4980, 0.9059, 0.6667
CMYK	0.00, 0.81, 0.34, 0.50
HSL	325°, 68%, 30%
HSV	325°, 81%, 50%
XYZ	10.8684, 5.8983, 9.1600
YIQ	62.0500, 42.4030, 41.0190

Conversions

Conversions Part 2

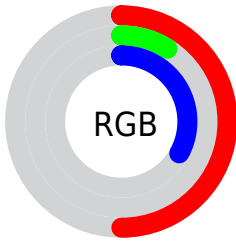
Format	Color
R_{YB}	128, 24, 85
Decimal	8394837
CIE _{Lab}	29.15, 48.06, -9.78
CIE _{LCh}	29, 49.041, 348.494
Yxy	5.8983, 0.4192, 0.2275
Android (android.graphics.Color)	4286584917 (0xFF801855)
YUV	62.0500, 11.3144, 57.8382
Hunter-Lab	24.2864, 37.3792, -5.3617

Details

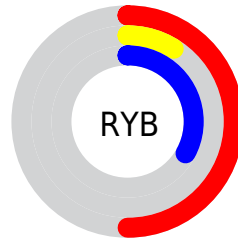
The XYZ color **10.8684, 5.8983, 9.1600** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **9.1093, 16.0380, 7.9267**, and the grayscale version is **4.5663, 4.8041, 5.2317**.

A 20% lighter version of the original color is **27.0090, 17.6769, 24.9101**, and **3.2070, 1.6090, 2.1490** is the 20% darker color. If you saturate the color by 10%, you get **10.4613, 5.4082, 8.0254**, and if you desaturate by 10%, it is **11.4156, 6.6435, 10.4190**.

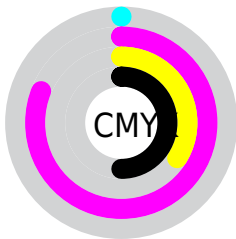
Distribution



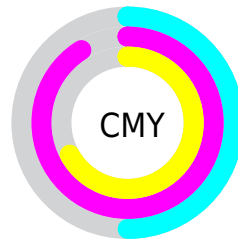
- Red (50%)
- Green (9%)
- Blue (33%)



- Red (50%)
- Yellow (9%)
- Blue (33%)



- Cyan (0%)
- Magenta (81%)
- Yellow (34%)
- Black (50%)





- Cyan (50%)
- Magenta (91%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.8684, 5.8983, 9.1600 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 10.8684, 5.8983, 9.1600 by changing the saturation by 10% instead.


 10.8684, 5.8983,
9.1600


 10.8684, 5.8983,
9.1600


190.6894,
158.1673, 194.8288


 6.0450, 2.7833,
4.7475


 27.0517, 17.7198,
24.7857


 2.9134, 1.0197,
2.0437

 39.1423, 27.1950,
36.8359


 1.1081, 0.0000,
0.5820

 54.3861, 39.5592,
52.2692

 0.0319, 0.0000,
0.0000

 73.1483, 55.1967,
71.5039

 0.0000, 0.0000,
0.0000

 95.7945, 74.4918,
94.9587

 122.6898, 97.8291,

123.0521

154.1997,
125.5928, 156.2026

10.8684, 5.8983,
9.1600

10.8684, 5.8983,
9.1600

10.4613, 5.4082,
8.0254

11.4156, 6.6435,
10.4190

10.1746, 5.0982,
7.1177

12.1182, 7.6738,
11.8090

12.9899, 9.0160,
13.3363

14.0426, 10.6936,
15.0062

15.2872, 12.7277,
16.8240

■ 16.7336, 15.1377,
18.7944

■ 18.3910, 17.9416,
20.9219

■ 20.2681, 21.1563,
23.2108

■ 22.3730, 24.7977,
25.6651

Harmonies

Analogous

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



9.4163, 5.8983, 18.2897



10.8684, 5.8983, 9.1600



10.6619, 5.8983, 3.2905

Triad

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



10.8684, 5.8983, 9.1600



4.3665, 5.8983, 0.2627



3.2407, 5.8983, 20.4730

Complementary

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



10.8684, 5.8983, 9.1600



9.1093, 16.0380, 7.9267

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.



2.4711, 5.8983, 11.0926



10.8684, 5.8983, 9.1600



2.9937, 5.8983, 1.2697

Square

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



10.8684, 5.8983, 9.1600



6.4946, 5.8983, 0.1546



2.3945, 5.8983, 4.2928



4.8026, 5.8983, 27.1662

Rectangle

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



10.8684, 5.8983, 9.1600



9.6200, 5.8983, 1.4428



2.3945, 5.8983, 4.2928



2.9005, 5.8983, 17.3255

Sweetspot

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



10.8686, 5.8986, 9.1601



28.5795, 25.1736, 31.9129



6.4432, 3.3566, 20.7304



6.5102, 5.5922, 7.2254



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.



10.8686, 5.8986, 9.1601



17.9926, 9.0940, 12.6794



9.5235, 5.3606, 2.0770



4.4252, 4.3833, 5.0438



10.0896, 5.0555, 7.0613



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.8686, 5.8986, 9.1601



17.9926, 9.0940, 12.6794



11.3424, 16.9312, 19.6857



4.4252, 4.3833, 5.0438



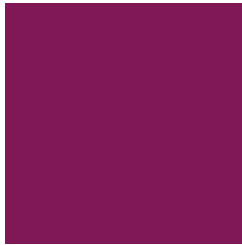
10.0896, 5.0555, 7.0613



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.8684, 5.8983, 9.1600 looks on a white background.

Color Contrast Check

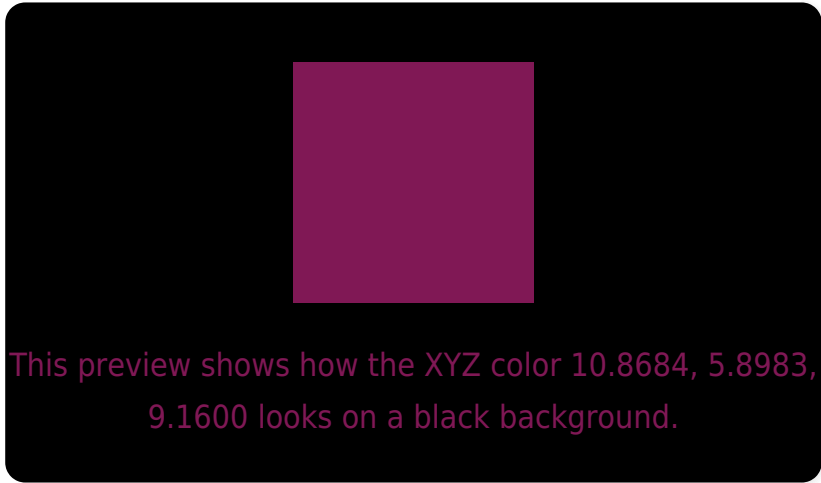
Large Text (above 18pt) WCAG AA ✓ Pass

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

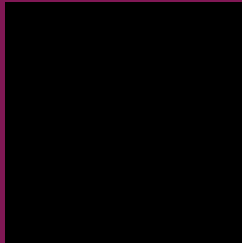
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.8684, 5.8983, 9.1600

Background



This preview shows how black text looks on a background with the XYZ color 10.8684, 5.8983, 9.1600.



This preview shows how white text looks on a background with the XYZ color 10.8684, 5.8983, 9.1600.

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

10.8684, 5.8983, 9.1600

Protanopia

6.6967, 6.2473, 17.3759

Deuteranopia

6.3237, 6.2519, 8.4629



Tritanopia

9.5832, 5.9711, 2.7453

Trichromacy



Original Color

10.8684, 5.8983, 9.1600

Protanomaly

7.1312, 5.2716, 14.0063

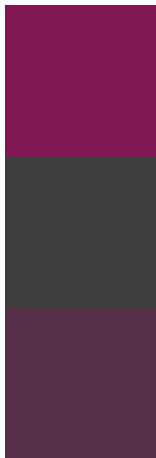
Deuteranomaly

7.3103, 5.4826, 8.6556

Tritanomaly

9.9147, 5.8751, 4.4823

Monochromacy



Original Color

10.8684, 5.8983, 9.1600

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

6.0002, 4.5345, 6.3534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8684, 5.8983, 9.1600 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, 24, 85)` looks like.

```
.text, #text, p{  
  color:rgb(128, 24, 85)  
}
```

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, 24, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 24, 85) }
```

Border

The CSS property to change the border of an element to XYZ 10.8684, 5.8983, 9.1600 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, 24, 85) }
```


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

```
.border{ border-color:rgb(128, 24, 85) }
```

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

Here you see how a box with a 4 pixel rgb(128, 24, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 24, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 24, 85);  
box-shadow:4px 4px 4px 4px rgb(128, 24,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 10.8684, 5.8983, 9.1600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 24, 85) }
```

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

```
.background{ background-color: rgb(128, 24,  
85) }
```

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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