

Converting Colors

XYZ(12.9173, 10.4846, 18.7835)

Have a look what the booklet for
XYZ(12.9173, 10.4846, 18.7835)
contains.

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Color

**XYZ(13.0085, 10.5799,
18.8093)**

Conversions

Conversions Part 1

Format	Color
Hex	715077
RGB	113, 80, 119
RGB Percent	44%, 31%, 47%
CMY	0.5569, 0.6863, 0.5333
CMYK	0.05, 0.33, 0.00, 0.53
HSL	291°, 20%, 39%
HSV	291°, 33%, 47%
XYZ	13.0085, 10.5799, 18.8093
YIQ	94.3130, 7.1490, 19.1250

Conversions

Conversions Part 2

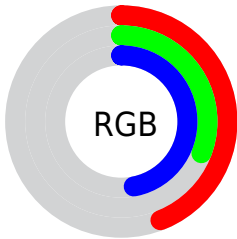
Format	Color
R_{YB}	113, 80, 119
Decimal	7426167
CIE _{Lab}	38.86, 21.19, -16.79
CIE _{LCh}	39, 27.038, 321.601
Yxy	10.5799, 0.3068, 0.2495
Android (android.graphics.Color)	4285616247 (0xFF715077)
YUV	94.3130, 12.1707, 16.3885
Hunter-Lab	32.5268, 14.4661, -11.5170

Details

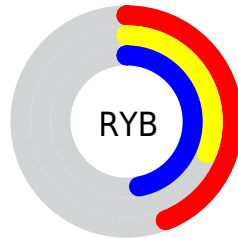
The XYZ color **13.0085, 10.5799, 18.8093** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **11.8828, 15.7515, 10.0039**, and the grayscale version is **10.6846, 11.2410, 12.2414**.

A 20% lighter version of the original color is **30.8504, 26.9049, 42.0952**, and **3.7919, 2.6762, 6.1111** is the 20% darker color. If you saturate the color by 10%, you get **11.9801, 8.8691, 18.5334**, and if you desaturate by 10%, it is **14.1966, 12.6027, 19.1373**.

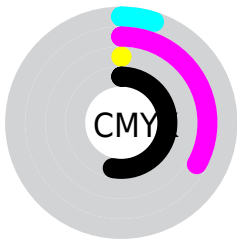
Distribution



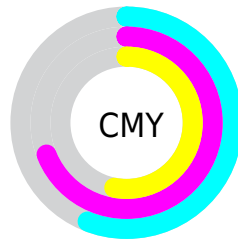
- Red (44%)
- Green (31%)
- Blue (47%)



- Red (44%)
- Yellow (31%)
- Blue (47%)



- Cyan (5%)
- Magenta (33%)
- Yellow (0%)
- Black (53%)



- Cyan (56%)
- Magenta (69%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0085, 10.5799, 18.8093 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 13.0085, 10.5799, 18.8093 by changing the saturation by 10% instead.

■ 13.0085, 10.5799,
18.8093

■ 13.0085, 10.5799,
18.8093

204.6086,
194.7623, 257.7815

■ 7.5114, 5.7851,
11.3571

■ 30.9202, 26.8807,
42.2440

■ 3.8331, 2.7149,
6.1904

■ 44.0656, 39.1554,
59.0636

■ 1.6082, 0.9847,
2.8906

■ 60.4912, 54.6923,
79.8429

■ 0.3977, 0.0000,
1.0390

■ 80.5622, 73.8757,
105.0002

■ 0.0000, 0.0000,
0.0000

■ 104.6441, 97.0900,
134.9542

133.1023,

124.7196, 170.1234

166.3020,
157.1489, 210.9263

■ 13.0085, 10.5799,
18.8093

■ 13.0085, 10.5799,
18.8093

■ 11.9801, 8.8691,
18.5334

■ 14.1966, 12.6027,
19.1373

■ 11.1024, 7.4527,
18.3063

■ 15.5511, 14.9514,
19.5192

■ 10.3666, 6.3133,
18.1252

■ 17.0793, 17.6404,
19.9577

■ 9.7629, 5.4312,
17.9867

■ 18.7880, 20.6830,
20.4549

■ 9.2802, 4.7841,
17.8873

■ 20.6833, 24.0919,
21.0130

■ 8.9046, 4.3444,
17.8222

■ 22.7714, 27.8789,
21.6339

■ 8.6624, 4.0810,
17.7841

■ 25.0579, 32.0555,
22.3196

■ 27.5483, 36.6327,
23.0718

■ 30.2479, 41.6208,
23.8923

Harmonies

Analogous

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



11.3799, 10.5799, 23.3614



13.0085, 10.5799, 18.8093



13.8686, 10.5799, 13.0237

Triad

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



13.0085, 10.5799, 18.8093



10.5682, 10.5799, 4.2502



7.1777, 10.5799, 15.5524

Complementary

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



13.0085, 10.5799, 18.8093



11.8828, 15.7515, 10.0039

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.



7.0151, 10.5799, 10.1362



13.0085, 10.5799, 18.8093



8.8388, 10.5799, 4.5598

Square

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



13.0085, 10.5799, 18.8093



12.3541, 10.5799, 5.3828



7.5877, 10.5799, 6.4089



8.0620, 10.5799, 21.1251

Rectangle

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



13.0085, 10.5799, 18.8093



13.8272, 10.5799, 9.6452



7.5877, 10.5799, 6.4089



7.0414, 10.5799, 13.6226

Sweetspot

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



13.0088, 10.5804, 18.8095



28.5066, 27.9274, 35.1411



10.0063, 9.7735, 18.8120



6.6845, 6.4937, 8.3078



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.0088, 10.5804, 18.8095



21.9374, 16.6798, 33.3164



13.0782, 10.7003, 15.0120



3.7740, 3.7308, 4.6114



9.1969, 4.3325, 18.8941



44.2345, 20.8122, 92.0460

Inverse Universe

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



12.1564, 10.3315, 10.1579



20.2151, 16.1908, 15.2145



11.8812, 15.6897, 12.7585



3.7048, 3.7092, 3.9723



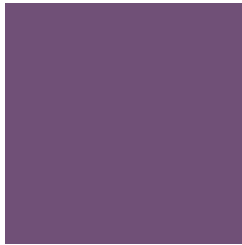
8.1989, 4.2133, 0.9896



39.7456, 20.4483, 3.7236

Previews

White Background



This preview shows how the XYZ color 13.0085, 10.5799, 18.8093 looks on a white background.

Color Contrast Check

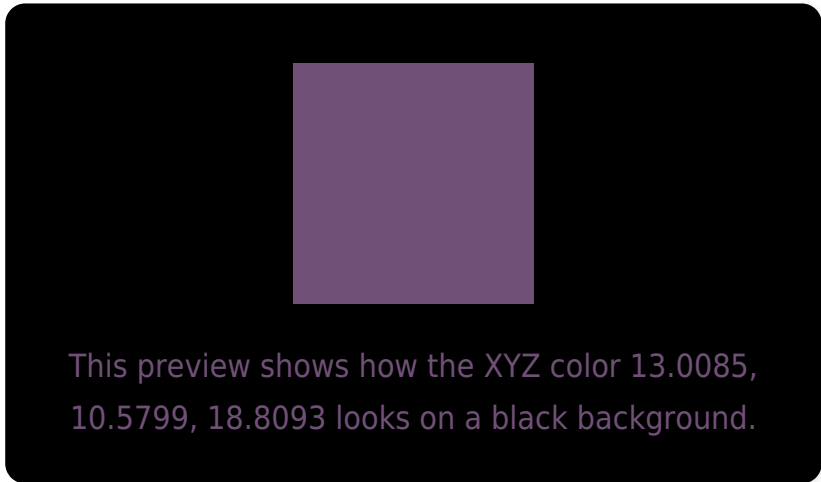
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 13.0085, 10.5799, 18.8093

Background



This preview shows how black text looks on a background with the XYZ color 13.0085, 10.5799, 18.8093.



This preview shows how white text looks on a background with the XYZ color 13.0085, 10.5799,

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

13.0085, 10.5799, 18.8093

Protanopia

10.9652, 10.7638, 21.5784

Deuteranopia

10.7975, 10.6229, 18.3110



Tritanopia

11.4869, 10.5209, 11.5505

Trichromacy



Original Color

13.0085, 10.5799, 18.8093

Protanomaly

11.5605, 10.5988, 20.5052

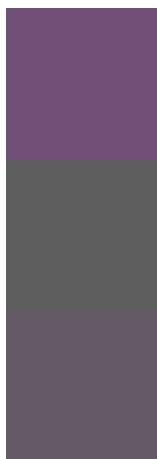
Deuteranomaly

11.4217, 10.4504, 18.5547

Tritanomaly

11.9219, 10.4608, 13.9612

Monochromacy



Original Color

13.0085, 10.5799, 18.8093

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.3874, 10.8907, 14.3339

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0085, 10.5799, 18.8093 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(113, 80, 119)` looks like.

```
.text, #text, p{  
    color:rgb(113, 80, 119)  
}
```

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(113, 80, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 80, 119) }
```

Border

The CSS property to change the border of an element to XYZ 13.0085, 10.5799, 18.8093 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(113, 80, 119) }
```


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

```
.border{ border-color:rgb(113, 80, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 80, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 80, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 80, 119);  
box-shadow:4px 4px 4px 4px rgb(113, 80,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0085, 10.5799, 18.8093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 80, 119) }
```

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

```
.background{ background-color: rgb(113, 80,  
119) }
```

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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