

Converting Colors

XYZ(10.5589, 5.0346, 18.9578)

Have a look what the booklet for
XYZ(10.5589, 5.0346, 18.9578)
contains.

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Color

**XYZ(10.5831, 5.0500,
18.8293)**

Conversions

Conversions Part 1

Format	Color
Hex	73007A
RGB	115, 0, 122
RGB Percent	45%, 0%, 48%
CMY	0.5490, 1.0000, 0.5216
CMYK	0.06, 1.00, 0.00, 0.52
HSL	297°, 100%, 24%
HSV	297°, 100%, 48%
XYZ	10.5831, 5.0500, 18.8293
YIQ	48.2930, 29.3780, 62.3220

Conversions

Conversions Part 2

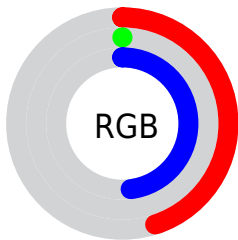
Format	Color
R_{YB}	115, 0, 122
Decimal	7536762
CIE _{Lab}	26.88, 55.73, -37.50
CIE _{LCh}	27, 67.173, 326.064
Yxy	5.0500, 0.3071, 0.1465
Android (android.graphics.Color)	4285726842 (0xFF73007A)
YUV	48.2930, 36.3376, 58.5020
Hunter-Lab	22.4722, 44.7367, -33.9481

Details

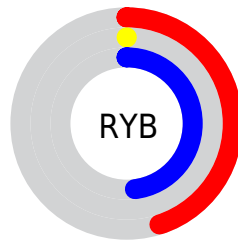
The XYZ color **10.5831, 5.0500, 18.8293** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **7.0473, 13.9643, 2.3242**, and the grayscale version is **2.8012, 2.9471, 3.2094**.

A 20% lighter version of the original color is **26.4435, 15.8974, 42.2322**, and **3.1563, 1.4920, 6.2525** is the 20% darker color. If you saturate the color by 10%, you get **10.5832, 5.0500, 18.8294**, and if you desaturate by 10%, it is **10.8096, 5.3657, 18.8784**.

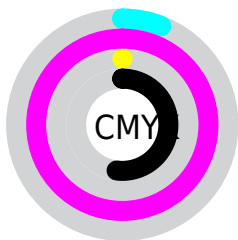
Distribution



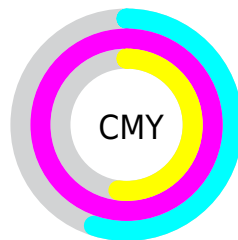
- Red (45%)
- Green (0%)
- Blue (48%)



- Red (45%)
- Yellow (0%)
- Blue (48%)



- Cyan (6%)
- Magenta (100%)
- Yellow (0%)
- Black (52%)



- Cyan (55%)
- Magenta (100%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.5831, 5.0500, 18.8293 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 10.5831, 5.0500, 18.8293 by changing the saturation by 10% instead.

10.5831, 5.0500,
18.8293

10.5831, 5.0500,
18.8293

188.7526,
150.3048, 257.8960

5.8525, 2.2766,
11.3714

26.5265, 15.9256,
42.2783

2.7954, 0.7613,
6.1999

38.4699, 24.7966,
59.1065

1.0465, 0.0000,
2.8963

53.5483, 36.4690,
79.8953

0.0000, 0.0000,
1.0419


72.1271, 51.3271,
105.0631


0.0000, 0.0000,
0.0000


94.5715, 69.7554,
135.0286


121.2470, 92.1381,

170.2102


 152.5189,
118.8598, 211.0265


 10.5831, 5.0500,
18.8293


 10.5831, 5.0500,
18.8293


 10.5832, 5.0500,
18.8294

 10.8096, 5.3657,
18.8784

 11.1039, 5.8159,
18.9498

 11.5120, 6.4929,
19.0589

 12.0474, 7.4234,
19.2103

 12.7215, 8.6302,
19.4077

■ 13.5444, 10.1338,
19.6546

■ 14.5256, 11.9526,
19.9539

■ 15.6733, 14.1035,
20.3086

■ 16.9955, 16.6023,
20.7212

Harmonies

Analogous

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



7.4862, 5.0500, 32.9445



10.5831, 5.0500, 18.8293



12.1434, 5.0500, 6.5931

Triad

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



10.5831, 5.0500, 18.8293



5.1682, 5.0500, 0.0000



1.4663, 5.0500, 15.0634

Complementary

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



10.5831, 5.0500, 18.8293



7.0473, 13.9643, 2.3242

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.



1.2429, 5.0500, 4.5324



10.5831, 5.0500, 18.8293



2.8480, 5.0500, 0.0000

Square

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



10.5831, 5.0500, 18.8293



8.3547, 5.0500, 0.0000



1.6354, 5.0500, 0.6179



2.4308, 5.0500, 29.6653

Rectangle

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



10.5831, 5.0500, 18.8293



11.7904, 5.0500, 2.3065



1.6354, 5.0500, 0.6179



1.3226, 5.0500, 10.7763

Sweetspot

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



10.5833, 5.0502, 18.8294



25.4190, 20.7752, 35.0632



3.6013, 1.5819, 18.5279



5.6735, 4.4926, 7.9748



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.



10.5833, 5.0502, 18.8294



18.5799, 8.8644, 33.1246



9.1046, 4.5691, 6.0546



4.1329, 4.0664, 5.0102



11.1400, 5.3156, 19.8242



52.8906, 25.2281, 94.5517

Inverse Universe

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



8.0645, 4.1531, 0.5778



14.1699, 7.2991, 0.9225



7.5993, 14.1750, 5.6882



4.0068, 4.0184, 4.2333



8.4894, 4.3719, 0.6023



40.3906, 20.8126, 2.3213

Previews

White Background



This preview shows how the XYZ color 10.5831, 5.0500, 18.8293 looks on a white background.

Color Contrast Check

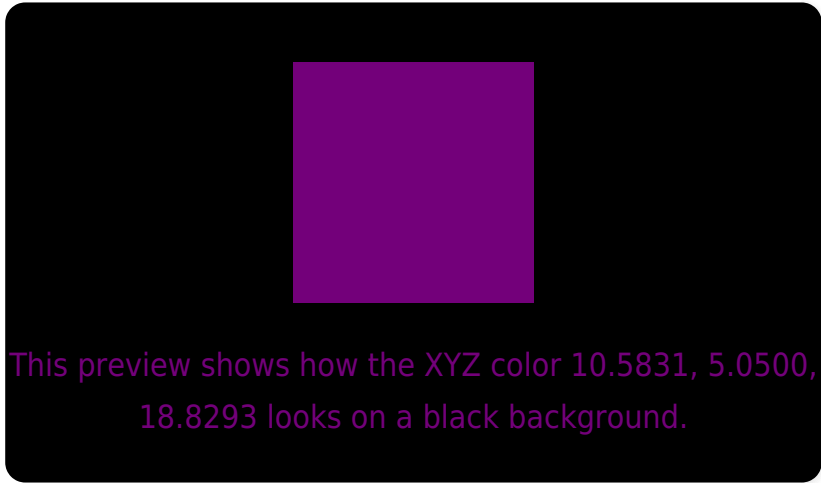
Large Text (above 18pt) WCAG AA ✓ Pass

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

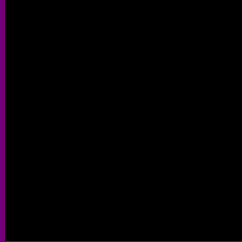
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.5831, 5.0500, 18.8293

Background



This preview shows how black text looks on a background with the XYZ color 10.5831, 5.0500, 18.8293.



This preview shows how white text looks on a background with the XYZ color 10.5831, 5.0500,

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

10.5831, 5.0500, 18.8293

Protanopia

6.4057, 5.5867, 24.4076

Deuteranopia

5.7267, 5.6634, 17.0110



Tritanopia

7.7179, 5.4787, 3.7827

Trichromacy



Original Color

10.5831, 5.0500, 18.8293

Protanomaly

5.9126, 3.7441, 22.2408

Deuteranomaly

6.1205, 4.0599, 17.6006

Tritanomaly

8.2599, 4.8308, 7.5183

Monochromacy



Original Color

10.5831, 5.0500, 18.8293

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

4.4325, 2.8657, 6.9761

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.5831, 5.0500, 18.8293 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(115, 0, 122)` looks like.

```
.text, #text, p{  
    color:rgb(115, 0, 122)  
}
```

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(115, 0, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 0, 122) }
```

Border

The CSS property to change the border of an element to XYZ 10.5831, 5.0500, 18.8293 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(115, 0, 122) }
```


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

```
.border{ border-color:rgb(115, 0, 122) }
```

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

Here you see how a box with a 4 pixel rgb(115, 0, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 0, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 0, 122);  
box-shadow:4px 4px 4px 4px rgb(115, 0,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 10.5831, 5.0500, 18.8293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 0, 122) }
```

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

```
.background{ background-color: rgb(115, 0,  
122) }
```

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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