

Converting Colors

XYZ(10.5527, 5.2408, 9.5004)

Have a look what the booklet for
XYZ(10.5527, 5.2408, 9.5004)
contains.

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Color

**XYZ(10.4727, 5.2001,
9.4686)**

Conversions

Conversions Part 1

Format	Color
Hex	7F0057
RGB	127, 0, 87
RGB Percent	50%, 0%, 34%
CMY	0.5020, 1.0000, 0.6588
CMYK	0.00, 1.00, 0.31, 0.50
HSL	319°, 100%, 25%
HSV	319°, 100%, 50%
XYZ	10.4727, 5.2001, 9.4686
YIQ	47.8910, 47.7650, 53.9810

Conversions

Conversions Part 2

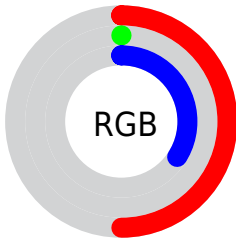
Format	Color
R_{YB}	127, 0, 87
Decimal	8323159
CIE _{Lab}	27.30, 53.08, -13.96
CIE _{LCh}	27, 54.882, 345.267
Yxy	5.2001, 0.4166, 0.2068
Android (android.graphics.Color)	4286513239 (0xFF7F0057)
YUV	47.8910, 19.2807, 69.3786
Hunter-Lab	22.8037, 42.0703, -8.6559

Details

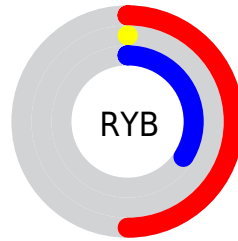
The XYZ color **10.4727, 5.2001, 9.4686** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **7.9727, 15.3322, 4.5476**, and the grayscale version is **2.7743, 2.9187, 3.1785**.

A 20% lighter version of the original color is **26.4106, 16.2527, 25.4120**, and **3.1656, 1.5836, 2.3293** is the 20% darker color. If you saturate the color by 10%, you get **10.4726, 5.2001, 9.4680**, and if you desaturate by 10%, it is **10.7810, 5.5479, 10.4003**.

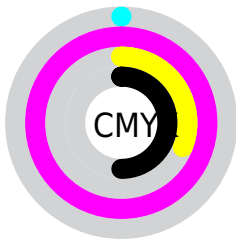
Distribution



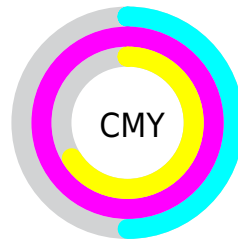
- Red (50%)
- Green (0%)
- Blue (34%)



- Red (50%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (31%)
- Black (50%)



- Cyan (50%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.4727, 5.2001, 9.4686 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 10.4727, 5.2001, 9.4686 by changing the saturation by 10% instead.

10.4727, 5.2001,
9.4686

10.4727, 5.2001,
9.4686

187.9973,
151.7369, 197.1811

5.7781, 2.3651,
4.9471

26.3226, 16.2474,
25.3831

2.7500, 0.8079,
2.1581

38.2086, 25.2285,
37.6131

1.0230, 0.0000,
0.6500

53.2225, 37.0272,
53.2498


0.0000, 0.0000,
0.0000

71.7296, 52.0277,
72.7116

94.0953, 70.6146,
96.4171


120.6849, 93.1721,


124.7848

 151.8638,
120.0848, 158.2333


 10.4727, 5.2001,
9.4686

 10.4727, 5.2001,
9.4686


 10.4726, 5.2001,
9.4680

 10.7810, 5.5479,
10.4003

 11.1745, 6.0512,
11.4057

 11.7013, 6.8062,
12.5017

 12.3762, 7.8424,
13.6938

 13.2123, 9.1854,
14.9870

■ 14.2207, 10.8577,
16.3858

■ 15.4120, 12.8797,
17.8941

■ 16.7955, 15.2703,
19.5159

■ 18.3801, 18.0469,
21.2546

Harmonies

Analogous

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



8.7324, 5.2001, 19.7831



10.4727, 5.2001, 9.4686



10.4553, 5.2001, 2.9692

Triad

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



10.4727, 5.2001, 9.4686



3.8809, 5.2001, 0.0000



2.4650, 5.2001, 19.9735

Complementary

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



10.4727, 5.2001, 9.4686



7.9727, 15.3322, 4.5476

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.



1.8165, 5.2001, 9.6281



10.4727, 5.2001, 9.4686



2.4470, 5.2001, 0.5899

Square

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



10.4727, 5.2001, 9.4686



6.1364, 5.2001, 0.0000



1.8111, 5.2001, 3.0430



3.9145, 5.2001, 28.3620

Rectangle

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



10.4727, 5.2001, 9.4686



9.4259, 5.2001, 1.0793



1.8111, 5.2001, 3.0430



2.1688, 5.2001, 16.3664

Sweetspot

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



10.4729, 5.2004, 9.4687



27.4339, 22.7814, 31.8424



4.6342, 1.9466, 20.2103



6.2387, 5.0193, 7.2265



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.



10.4729, 5.2004, 9.4687



18.6847, 9.2845, 16.5904



8.9325, 4.5842, 1.3570



4.4423, 4.3901, 5.1336



10.5613, 5.2442, 9.5453



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.4729, 5.2004, 9.4687



18.6847, 9.2845, 16.5904



9.9681, 16.1303, 15.0553



4.4423, 4.3901, 5.1336



10.5613, 5.2442, 9.5453



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.4727, 5.2001, 9.4686 looks on a white background.

Color Contrast Check

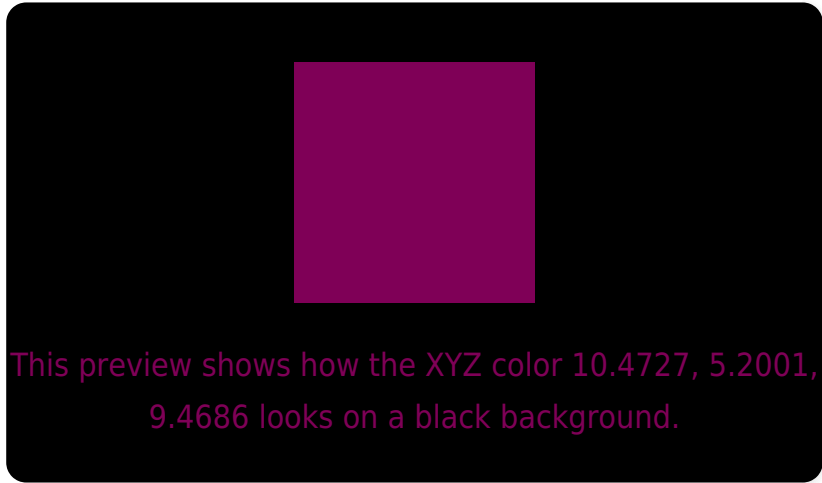
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.4727, 5.2001, 9.4686

Background



This preview shows how black text looks on a background with the XYZ color 10.4727, 5.2001, 9.4686.



This preview shows how white text looks on a background with the XYZ color 10.4727, 5.2001, 9.4686.

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

10.4727, 5.2001, 9.4686

Protanopia

6.4230, 5.7830, 19.8465

Deuteranopia

5.8173, 5.7195, 8.5819



Tritanopia

9.2026, 5.5565, 2.2565

Trichromacy



Original Color

10.4727, 5.2001, 9.4686

Protanomaly

6.2957, 4.1432, 15.5068

Deuteranomaly

6.5091, 4.4043, 8.6907

Tritanomaly

9.4339, 5.2096, 4.1228

Monochromacy



Original Color

10.4727, 5.2001, 9.4686

Achromatopsia

2.8094, 2.9557, 3.2187

Achromatomaly

4.4201, 2.9056, 4.8853

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.4727, 5.2001, 9.4686 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(127, 0, 87)` looks like.

```
.text, #text, p{  
    color:rgb(127, 0, 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(127, 0, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 0, 87) }
```

Border

The CSS property to change the border of an element to XYZ 10.4727, 5.2001, 9.4686 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(127, 0, 87) }
```


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

```
.border{ border-color:rgb(127, 0, 87) }
```

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

Here you see how a box with a 4 pixel rgb(127, 0, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 0, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 0, 87);  
box-shadow:4px 4px 4px 4px rgb(127, 0, 87)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.4727, 5.2001, 9.4686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 0, 87) }
```

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

```
.background{ background-color: rgb(127, 0,  
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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