

Converting Colors

XYZ(8.7071, 2.1548, 4.5301)

Have a look what the booklet for
XYZ(8.7071, 2.1548, 4.5301)
contains.

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Color

**XYZ(10.2296, 5.1731,
5.0168)**

Conversions

Conversions Part 1

Format	Color
Hex	83003E
RGB	131, 0, 62
RGB Percent	51%, 0%, 24%
CMY	0.4863, 0.9999, 0.7569
CMYK	0.00, 1.00, 0.53, 0.49
HSL	332°, 100%, 26%
HSV	332°, 100%, 51%
XYZ	10.2296, 5.1731, 5.0168
YIQ	46.2370, 58.1740, 47.0540

Conversions

Conversions Part 2

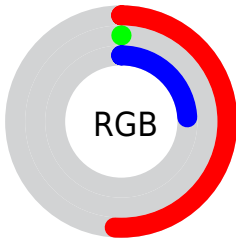
Format	Color
R_{YB}	131, 0, 62
Decimal	8585278
CIE _{Lab}	27.22, 51.53, 2.82
CIE _{LCh}	27, 51.610, 3.134
Yxy	5.1731, 0.5010, 0.2533
Android (android.graphics.Color)	4286775358 (0xFF83003E)
YUV	46.2370, 7.7712, 74.3372
Hunter-Lab	22.7444, 40.4798, 2.8434

Details

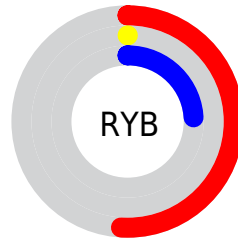
The XYZ color **10.2296, 5.1731, 5.0168** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **9.1911, 16.6625, 8.3643**, and the grayscale version is **2.6102, 2.7462, 2.9906**.

A 20% lighter version of the original color is **25.8747, 16.1792, 16.2271**, and **3.0279, 1.5464, 0.8007** is the 20% darker color. If you saturate the color by 10%, you get **10.2294, 5.1730, 5.0157**, and if you desaturate by 10%, it is **10.5766, 5.5445, 6.1269**.

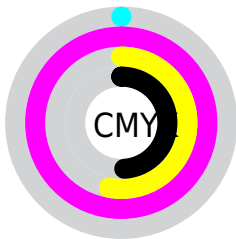
Distribution



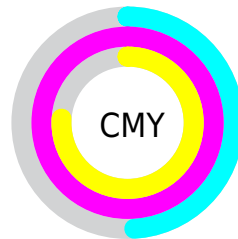
- Red (51%)
- Green (0%)
- Blue (24%)



- Red (51%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (53%)
- Black (49%)



- Cyan (49%)
- Magenta (100%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2296, 5.1731, 5.0168 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 10.2296, 5.1731, 5.0168 by changing the saturation by 10% instead.

10.2296, 5.1731,
5.0168

10.2296, 5.1731,
5.0168

186.3226,
151.4807, 158.9333

5.6149, 2.3492,
2.1982

25.8722, 16.1897,
16.2941

2.6508, 0.7996,
0.6733

37.6309, 25.1511,
25.5900

0.9719, 0.0000,
0.0000

52.5015, 36.9272,
37.8820

0.0000, 0.0000,
0.0000

70.8496, 51.9022,
53.5887

93.0403, 70.4607,
73.1286

119.4392, 92.9870,

96.9203

150.4115,
119.8656, 125.3824

10.2296, 5.1731,
5.0168

10.2296, 5.1731,
5.0168

10.2294, 5.1730,
5.0157

10.5766, 5.5445,
6.1269

11.0319, 6.0927,
7.3960

11.6458, 6.9170,
8.8448

12.4353, 8.0499,
10.4829

13.4146, 9.5191,
12.3187

■ 14.5969, 11.3492,
14.3600

■ 15.9937, 13.5627,
16.6141

■ 17.6158, 16.1799,
19.0878

■ 19.4733, 19.2200,
21.7877

Harmonies

Analogous

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



9.5370, 5.1731, 12.7489



10.2296, 5.1731, 5.0168



9.1938, 5.1731, 1.3519

Triad

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



10.2296, 5.1731, 5.0168



3.0045, 5.1731, 0.2599



3.2918, 5.1731, 23.8497

Complementary

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



10.2296, 5.1731, 5.0168



9.1911, 16.6625, 8.3643

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.



2.2275, 5.1731, 14.7561



10.2296, 5.1731, 5.0168



2.0983, 5.1731, 1.8266

Square

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



10.2296, 5.1731, 5.0168



4.6969, 5.1731, 0.0000



1.8613, 5.1731, 6.2969



5.1437, 5.1731, 27.2606

Rectangle

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



10.2296, 5.1731, 5.0168



7.7984, 5.1731, 0.3947



1.8613, 5.1731, 6.2969



2.8502, 5.1731, 21.1406

Sweetspot

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



10.2297, 5.1734, 5.0169



28.4524, 23.9859, 29.4557



6.4592, 2.8568, 21.6837



6.4057, 5.2363, 6.5103



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.



10.2297, 5.1734, 5.0169



18.2415, 9.2329, 8.5760



9.3840, 4.8730, 0.4464



4.7575, 4.7227, 5.3353



10.0706, 5.0926, 4.9442



0.0385, 0.0191, 0.0363

Inverse Universe

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



10.2297, 5.1734, 5.0169



18.2415, 9.2329, 8.5760



11.9231, 17.2911, 24.1818



4.7575, 4.7227, 5.3353



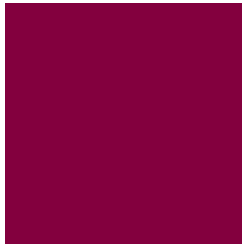
10.0706, 5.0926, 4.9442



0.0385, 0.0191, 0.0363

Previews

White Background



This preview shows how the XYZ color 10.2296, 5.1731, 5.0168 looks on a white background.

Color Contrast Check

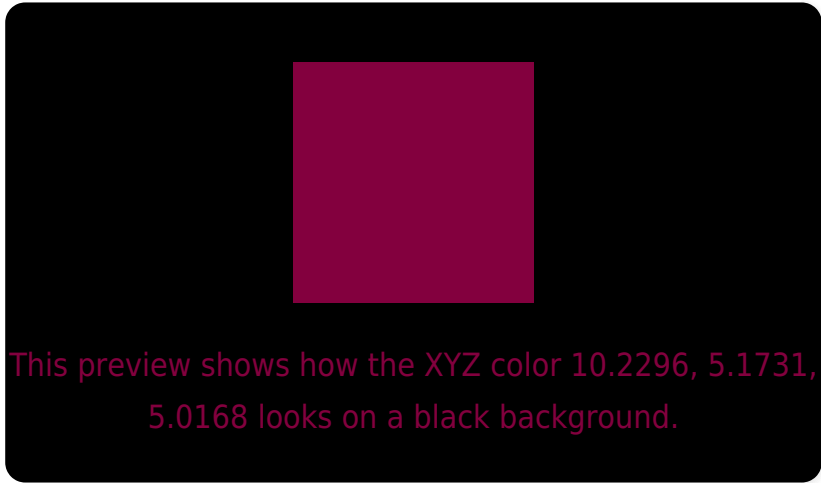
Large Text (above 18pt) WCAG AA ✓ Pass

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

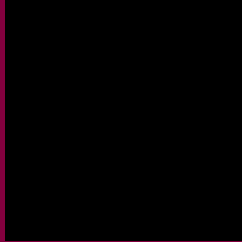
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.2296, 5.1731, 5.0168

Background



This preview shows how black text looks on a background with the XYZ color 10.2296, 5.1731, 5.0168.



This preview shows how white text looks on a background with the XYZ color 10.2296, 5.1731,

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

10.2296, 5.1731, 5.0168

Protanopia

5.8392, 5.7766, 10.4801

Deuteranopia

5.7707, 5.6957, 4.6661



Tritanopia

9.5658, 5.4283, 1.4078

Trichromacy



Original Color

10.2296, 5.1731, 5.0168

Protanomaly

6.2423, 4.3332, 8.0968

Deuteranomaly

6.5121, 4.4430, 4.6520

Tritanomaly

9.7411, 5.2563, 2.3349

Monochromacy



Original Color

10.2296, 5.1731, 5.0168

Achromatopsia

2.5969, 2.7321, 2.9752

Achromatomaly

4.1198, 2.7044, 3.5537

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2296, 5.1731, 5.0168 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(131, 0, 62)` looks like.

```
.text, #text, p{  
    color:rgb(131, 0, 62)  
}
```

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(131, 0, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 0, 62) }
```

Border

The CSS property to change the border of an element to XYZ 10.2296, 5.1731, 5.0168 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(131, 0, 62) }
```


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

```
.border{ border-color:rgb(131, 0, 62) }
```

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

Here you see how a box with a 4 pixel rgb(131, 0, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 0, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 0, 62);  
box-shadow:4px 4px 4px 4px rgb(131, 0, 62)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.2296, 5.1731, 5.0168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 0, 62) }
```

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

```
.background{ background-color: rgb(131, 0,  
62) }
```

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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