

Converting Colors

XYZ(12.6712, 6.3227, 10.0593)

Have a look what the booklet for
XYZ(12.6712, 6.3227, 10.0593)
contains.

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Color

**XYZ(12.6184, 6.2967,
10.0015)**

Conversions

Conversions Part 1

Format	Color
Hex	8C0059
RGB	140, 0, 89
RGB Percent	55%, 0%, 35%
CMY	0.4510, 0.9999, 0.6510
CMYK	0.00, 1.00, 0.36, 0.45
HSL	322°, 100%, 27%
HSV	322°, 100%, 55%
XYZ	12.6184, 6.2967, 10.0015
YIQ	52.0060, 54.8710, 57.3590

Conversions

Conversions Part 2

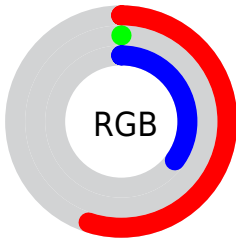
Format	Color
R_{YB}	140, 0, 89
Decimal	9175129
CIE _{Lab}	30.15, 56.15, -10.67
CIE _{LCh}	30, 57.157, 349.238
Yxy	6.2967, 0.4364, 0.2178
Android (android.graphics.Color)	4287365209 (0xFF8C0059)
YUV	52.0060, 18.2380, 77.1707
Hunter-Lab	25.0932, 45.8475, -6.0662

Details

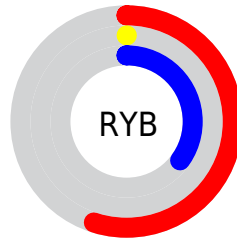
The XYZ color **12.6184, 6.2967, 10.0015** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **9.9762, 18.9955, 6.2744**, and the grayscale version is **3.2402, 3.4089, 3.7123**.

A 20% lighter version of the original color is **30.3314, 18.6349, 26.4244**, and **4.0922, 2.0592, 2.4673** is the 20% darker color. If you saturate the color by 10%, you get **12.6182, 6.2966, 10.0004**, and if you desaturate by 10%, it is **12.9974, 6.6999, 11.2215**.

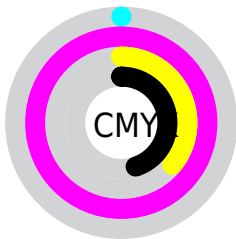
Distribution



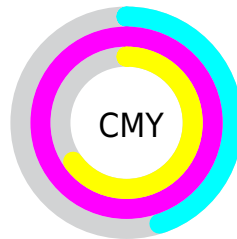
- Red (55%)
- Green (0%)
- Blue (35%)



- Red (55%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (45%)





- Cyan (45%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.6184, 6.2967, 10.0015 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 12.6184, 6.2967, 10.0015 by changing the saturation by 10% instead.


 12.6184, 6.2967,
10.0015


 12.6184, 6.2967,
10.0015


202.1448,
161.6849, 201.1680


 7.2415, 3.0263,
5.2943


 30.2237, 18.5437,
26.4062


 3.6612, 1.1455,
2.3592

 43.1828, 28.2891,
38.9408


 1.5123, 0.0165,
0.7641

 59.3999, 40.9616,
54.9216

 0.3342, 0.0000,
0.0000

 79.2406, 56.9456,
74.7672

 0.0000, 0.0000,
0.0000

 103.0700, 76.6256,
98.8961

 131.2536,

100.3858, 127.7268

164.1568,
128.6108, 161.6779

12.6184, 6.2967,
10.0015

12.6184, 6.2967,
10.0015

12.6182, 6.2966,
10.0004

12.9974, 6.6999,
11.2215

13.4926, 7.3114,
12.5550

14.1578, 8.2381,
14.0211

15.0122, 9.5181,
15.6277

16.0723, 11.1840,
17.3817

■ 17.3529, 13.2649,
19.2891

■ 18.8671, 15.7867,
21.3558

■ 20.6272, 18.7735,
23.5868

■ 22.6445, 22.2476,
25.9873

Harmonies

Analogous

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



10.8046, 6.2967, 21.7347



12.6184, 6.2967, 10.0015



12.2967, 6.2967, 3.0491

Triad

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



12.6184, 6.2967, 10.0015



4.4408, 6.2967, 0.0000



3.2089, 6.2967, 25.2404

Complementary

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



12.6184, 6.2967, 10.0015



9.9762, 18.9955, 6.2744

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.



2.3159, 6.2967, 12.9676



12.6184, 6.2967, 10.0015



2.8660, 6.2967, 1.0264

Square

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



12.6184, 6.2967, 10.0015



7.0007, 6.2967, 0.0000



2.2126, 6.2967, 4.4507



5.0723, 6.2967, 34.0243

Rectangle

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



12.6184, 6.2967, 10.0015



10.9358, 6.2967, 1.1136



2.2126, 6.2967, 4.4507



2.8124, 6.2967, 21.0917

Sweetspot

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



12.6186, 6.2971, 10.0016



33.0791, 27.5226, 37.4083



6.0009, 2.5470, 24.9864



7.3840, 5.9432, 8.3009



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.6186, 6.2971, 10.0016



22.1674, 11.0697, 17.2149



10.9509, 5.6300, 1.2196



5.1578, 5.0986, 5.9195



11.2215, 5.5987, 8.9365



0.0816, 0.0400, 0.0965

Inverse Universe

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



12.6186, 6.2971, 10.0016



22.1674, 11.0697, 17.2149



12.7082, 20.0883, 20.6611



5.1578, 5.0986, 5.9195



11.2215, 5.5987, 8.9365



0.0816, 0.0400, 0.0965

Previews

White Background



This preview shows how the XYZ color 12.6184, 6.2967, 10.0015 looks on a white background.

Color Contrast Check

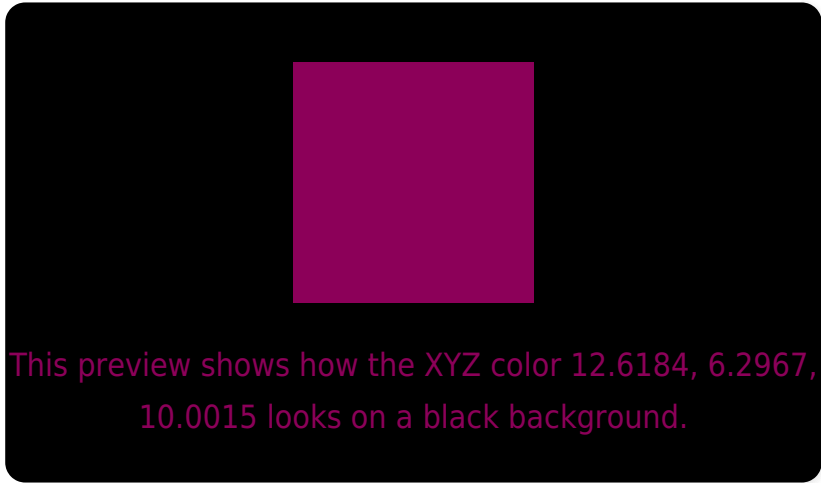
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6184, 6.2967, 10.0015

Background



This preview shows how black text looks on a background with the XYZ color 12.6184, 6.2967, 10.0015.



This preview shows how white text looks on a background with the XYZ color 12.6184, 6.2967,

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

12.6184, 6.2967, 10.0015

Protanopia

7.5785, 7.0012, 21.0306

Deuteranopia

7.0206, 6.8790, 9.1414



Tritanopia

11.2360, 6.6478, 2.3600

Trichromacy



Original Color

12.6184, 6.2967, 10.0015

Protanomaly

7.5249, 4.9852, 16.1884

Deuteranomaly

7.9835, 5.3766, 9.2113

Tritanomaly

11.4577, 6.2529, 4.2175

Monochromacy



Original Color

12.6184, 6.2967, 10.0015

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.1541, 3.3542, 5.3768

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6184, 6.2967, 10.0015 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(140, 0, 89)` looks like.

```
.text, #text, p{  
    color:rgb(140, 0, 89)  
}
```

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(140, 0, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 0, 89) }
```

Border

The CSS property to change the border of an element to XYZ 12.6184, 6.2967, 10.0015 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(140, 0, 89) }
```


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

```
.border{ border-color:rgb(140, 0, 89) }
```

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

Here you see how a box with a 4 pixel rgb(140, 0, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 0, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 0, 89);  
box-shadow:4px 4px 4px 4px rgb(140, 0, 89)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.6184, 6.2967, 10.0015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 0, 89) }
```

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

```
.background{ background-color: rgb(140, 0,  
89) }
```

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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