

Converting Colors

XYZ(12.8876, 6.5868, 3.1769)

Have a look what the booklet for
XYZ(12.8876, 6.5868, 3.1769)
contains.

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Color

**XYZ(12.8876, 6.5868,
3.1769)**

Conversions

Conversions Part 1

Format	Color
Hex	95002E
RGB	149, 0, 46
RGB Percent	58%, 0%, 18%
CMY	0.4157, 0.9999, 0.8196
CMYK	0.00, 1.00, 0.69, 0.42
HSL	341°, 100%, 29%
HSV	341°, 100%, 58%
XYZ	12.8876, 6.5868, 3.1769
YIQ	49.7950, 74.0380, 45.8940

Conversions

Conversions Part 2

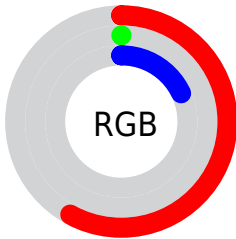
Format	Color
RYB	149, 0, 46
Decimal	9764910
CIELab	30.85, 54.94, 19.20
CIELCh	31, 58.201, 19.262
Yxy	6.5868, 0.5690, 0.2908
Android (android.graphics.Color)	4287954990 (0xFF95002E)
YUV	49.7950, -1.8709, 87.0028
Hunter-Lab	25.6648, 44.7207, 10.6261

Details

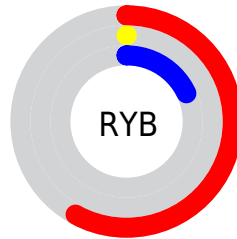
The XYZ color **12.8876, 6.5868, 3.1769** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **13.1968, 22.4746, 16.4793**, and the grayscale version is **3.0058, 3.1623, 3.4437**.

A 20% lighter version of the original color is **30.5654, 19.0757, 11.9685**, and **4.3144, 2.2241, 0.2019** is the 20% darker color. If you saturate the color by 10%, you get **12.8873, 6.5867, 3.1756**, and if you desaturate by 10%, it is **13.2853, 7.0174, 4.4344**.

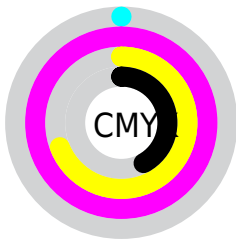
Distribution



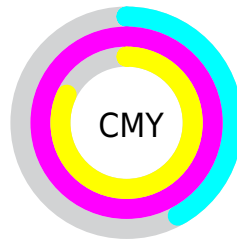
- Red (58%)
- Green (0%)
- Blue (18%)



- Red (58%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (42%)



- Cyan (42%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8876, 6.5868, 3.1769 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 12.8876, 6.5868, 3.1769 by changing the saturation by 10% instead.

■ 12.8876, 6.5868,
3.1769

■ 12.8876, 6.5868,
3.1769

203.8482,
164.1848, 138.5828

■ 7.4277, 3.2051,
1.1857

■ 30.7047, 19.1370,
12.0619

■ 3.7797, 1.2397,
0.0000

■ 43.7926, 29.0743,
19.7928

■ 1.5782, 0.0938,
0.0000

■ 60.1539, 41.9655,
30.2739

■ 0.3782, 0.0000,
0.0000

■ 80.1539, 58.1950,
43.9239

■ 0.0000, 0.0000,
0.0000

■ 104.1580, 78.1474,
61.1612

■ 132.5315,

102.2068, 82.4044

165.6398,
130.7579, 108.0721

12.8876, 6.5868,
3.1769

12.8876, 6.5868,
3.1769

12.8873, 6.5867,
3.1756

13.2853, 7.0174,
4.4344

13.8553, 7.7094,
6.0057

14.6583, 8.7794,
7.9254

15.7191, 10.2729,
10.2152

17.0593, 12.2292,
12.8948

■ 18.6983, 14.6828,
15.9823

■ 20.6533, 17.6650,
19.4947

■ 22.9406, 21.2046,
23.4477

■ 25.5750, 25.3282,
27.8566

Harmonies

Analogous

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



13.2275, 6.5868, 10.4658



12.8876, 6.5868, 3.1769



10.4996, 6.5868, 0.6352

Triad

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



12.8876, 6.5868, 3.1769



2.9894, 6.5868, 1.0662



5.3051, 6.5868, 35.7326

Complementary

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



12.8876, 6.5868, 3.1769



13.1968, 22.4746, 16.4793

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.



3.3506, 6.5868, 26.4999



12.8876, 6.5868, 3.1769



2.3059, 6.5868, 4.6537

Square

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



12.8876, 6.5868, 3.1769



4.6392, 6.5868, 0.0000



2.4145, 6.5868, 13.5983



8.2215, 6.5868, 34.0210

Rectangle

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



12.8876, 6.5868, 3.1769



8.3798, 6.5868, 0.0000



2.4145, 6.5868, 13.5983



4.5326, 6.5868, 33.6367

Sweetspot

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



12.8878, 6.5872, 3.1770



36.7530, 31.2755, 34.4990



10.8844, 4.9847, 28.8222



7.8380, 6.4610, 7.0996



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



12.8878, 6.5872, 3.1770



23.0075, 11.7672, 5.3080



12.7941, 7.1888, 0.7138



5.8701, 5.8431, 6.4222



10.8586, 5.5485, 2.7363



0.1449, 0.0727, 0.0968

Inverse Universe

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



12.8878, 6.5872, 3.1770



23.0075, 11.7672, 5.3080



12.3462, 16.0123, 30.8737



5.8701, 5.8431, 6.4222



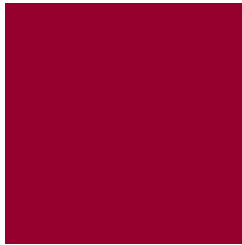
10.8586, 5.5485, 2.7363



0.1449, 0.0727, 0.0968

Previews

White Background



This preview shows how the XYZ color 12.8876, 6.5868, 3.1769 looks on a white background.

Color Contrast Check

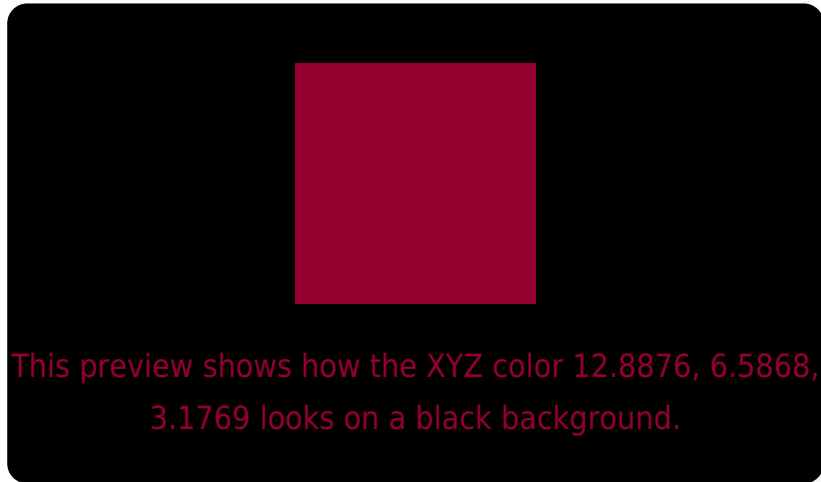
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8876, 6.5868, 3.1769

Background



This preview shows how black text looks on a background with the XYZ color 12.8876, 6.5868, 3.1769.



This preview shows how white text looks on a background with the XYZ color 12.8876, 6.5868,

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

12.8876, 6.5868, 3.1769

Protanopia

6.8523, 7.2485, 6.5068

Deuteranopia

7.1978, 7.1084, 2.9121



Tritanopia

12.5318, 6.7961, 1.1032

Trichromacy



Original Color

12.8876, 6.5868, 3.1769

Protanomaly

7.5815, 5.3832, 4.9144

Deuteranomaly

8.2050, 5.6319, 2.8451

Tritanomaly

12.5307, 6.6334, 1.5972

Monochromacy



Original Color

12.8876, 6.5868, 3.1769

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

4.9086, 3.2332, 3.2711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8876, 6.5868, 3.1769 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(149, 0, 46)` looks like.

```
.text, #text, p{  
    color:rgb(149, 0, 46)  
}
```

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(149, 0, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 0, 46) }
```

Border

The CSS property to change the border of an element to XYZ 12.8876, 6.5868, 3.1769 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(149, 0, 46) }
```


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

```
.border{ border-color:rgb(149, 0, 46) }
```

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

Here you see how a box with a 4 pixel rgb(149, 0, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 0, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 0, 46);  
box-shadow:4px 4px 4px 4px rgb(149, 0, 46)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.8876, 6.5868, 3.1769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 0, 46) }
```

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

```
.background{ background-color: rgb(149, 0,  
46) }
```

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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