

Converting Colors

XYZ(11.3742, 4.4291, 2.5554)

Have a look what the booklet for
XYZ(11.3742, 4.4291, 2.5554)
contains.

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Color

**XYZ(12.2901, 6.2854,
2.8509)**

Conversions

Conversions Part 1

Format	Color
Hex	92002B
RGB	146, 0, 43
RGB Percent	57%, 0%, 17%
CMY	0.4275, 0.9999, 0.8314
CMYK	0.00, 1.00, 0.71, 0.43
HSL	342°, 100%, 29%
HSV	342°, 100%, 57%
XYZ	12.2901, 6.2854, 2.8509
YIQ	48.5560, 73.2130, 44.3250

Conversions

Conversions Part 2

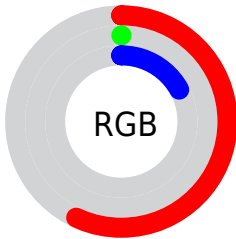
Format	Color
RYB	146, 0, 43
Decimal	9568299
CIELab	30.12, 54.04, 20.13
CIElCh	30, 57.667, 20.432
Yxy	6.2854, 0.5736, 0.2933
Android (android.graphics.Color)	4287758379 (0xFF92002B)
YUV	48.5560, -2.7391, 85.4584
Hunter-Lab	25.0707, 43.6301, 10.8074

Details

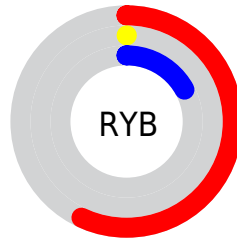
The XYZ color **12.2901, 6.2854, 2.8509** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **12.7282, 21.5374, 16.3233**, and the grayscale version is **2.8686, 3.0180, 3.2866**.

A 20% lighter version of the original color is **29.5324, 18.4611, 11.2393**, and **4.0245, 2.0747, 0.1883** is the 20% darker color. If you saturate the color by 10%, you get **12.2898, 6.2853, 2.8496**, and if you desaturate by 10%, it is **12.6690, 6.7018, 4.0304**.

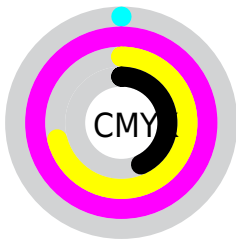
Distribution



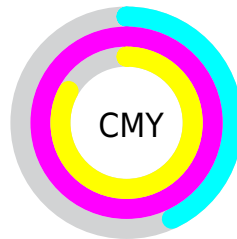
- Red (57%)
- Green (0%)
- Blue (17%)



- Red (57%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (71%)
- Black (43%)





- Cyan (43%)
- Magenta (100%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2901, 6.2854, 2.8509 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 12.2901, 6.2854, 2.8509 by changing the saturation by 10% instead.


 12.2901, 6.2854,
2.8509


 12.2901, 6.2854,
2.8509


200.0474,
161.5865, 134.4384


 7.0152, 3.0194,
1.0190


 29.6347, 18.5205,
11.2583


 3.5180, 1.1419,
0.0000

 42.4350, 28.2583,
18.6708


 1.4332, 0.0134,
0.0000

 58.4745, 40.9222,
28.7807

 0.2797, 0.0000,
0.0000


 78.1186, 56.8966,
42.0064


 0.0000, 0.0000,
0.0000

 101.7326, 76.5658,
58.7664


 129.6818,


100.3142, 79.4794


 162.3316,
128.5264, 104.5639

 12.2901, 6.2854,
2.8509

 12.2901, 6.2854,
2.8509


 12.2898, 6.2853,
2.8496

 12.6690, 6.7018,
4.0304

 13.2129, 7.3661,
5.5168

 13.9807, 8.3920,
7.3445

 14.9966, 9.8228,
9.5353

 16.2810, 11.6958,
12.1087

■ 17.8525, 14.0440,
15.0827

■ 19.7277, 16.8971,
18.4743

■ 21.9222, 20.2826,
22.2993

■ 24.4502, 24.2257,
26.5727

Harmonies

Analogous

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



12.7068, 6.2854, 9.6290



12.2901, 6.2854, 2.8509



9.9353, 6.2854, 0.5230

Triad

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



12.2901, 6.2854, 2.8509



2.7958, 6.2854, 1.0660



5.1509, 6.2854, 34.5272

Complementary

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



12.2901, 6.2854, 2.8509



12.7282, 21.5374, 16.3233

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.



3.2367, 6.2854, 25.9329



12.2901, 6.2854, 2.8509



2.1742, 6.2854, 4.6552

Square

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



12.2901, 6.2854, 2.8509



4.3368, 6.2854, 0.0000



2.3066, 6.2854, 13.4682



7.9789, 6.2854, 32.4254

Rectangle

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



12.2901, 6.2854, 2.8509



7.8900, 6.2854, 0.0000



2.3066, 6.2854, 13.4682



4.3965, 6.2854, 32.6423

Sweetspot

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



12.2902, 6.2858, 2.8510



34.5809, 29.4696, 32.1979



10.6913, 4.9125, 27.5787



7.4058, 6.1174, 6.6486



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.2902, 6.2858, 2.8510



21.6150, 11.0617, 4.6809



12.2988, 7.0003, 0.7035



5.8669, 5.8418, 6.4051



10.8240, 5.5346, 2.5540



0.1441, 0.0724, 0.0926

Inverse Universe

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



12.2902, 6.2858, 2.8510



21.6150, 11.0617, 4.6809



11.5269, 14.7523, 29.4339



5.8669, 5.8418, 6.4051



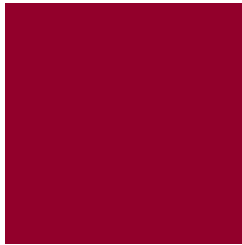
10.8240, 5.5346, 2.5540



0.1441, 0.0724, 0.0926

Previews

White Background



This preview shows how the XYZ color 12.2901, 6.2854, 2.8509 looks on a white background.

Color Contrast Check

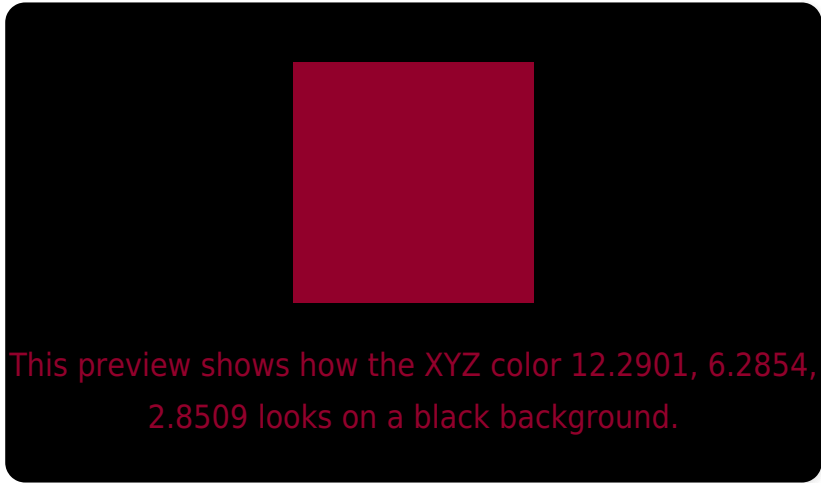
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2901, 6.2854, 2.8509

Background



This preview shows how black text looks on a background with the XYZ color 12.2901, 6.2854, 2.8509.



This preview shows how white text looks on a background with the XYZ color 12.2901, 6.2854,

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

12.2901, 6.2854, 2.8509

Protanopia

6.5161, 6.8874, 5.8365

Deuteranopia

6.9853, 6.9092, 2.6345



Tritanopia

11.9726, 6.4841, 1.0360

Trichromacy



Original Color

12.2901, 6.2854, 2.8509

Protanomaly

7.3238, 5.2021, 4.3595

Deuteranomaly

7.9867, 5.4680, 2.5539

Tritanomaly

11.9722, 6.3293, 1.5104

Monochromacy



Original Color

12.2901, 6.2854, 2.8509

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

4.6592, 3.0700, 3.0363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2901, 6.2854, 2.8509 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(146, 0, 43)` looks like.

```
.text, #text, p{  
    color:rgb(146, 0, 43)  
}
```

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(146, 0, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 0, 43) }
```

Border

The CSS property to change the border of an element to XYZ 12.2901, 6.2854, 2.8509 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(146, 0, 43) }
```


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

```
.border{ border-color:rgb(146, 0, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 0, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 0, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 0, 43);  
box-shadow:4px 4px 4px 4px rgb(146, 0, 43)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.2901, 6.2854, 2.8509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 0, 43) }
```

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

```
.background{ background-color: rgb(146, 0,  
43) }
```

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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