

Converting Colors

XYZ(12.3724, 6.6578, 2.4039)

Have a look what the booklet for
XYZ(12.3724, 6.6578, 2.4039)
contains.

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Color

**XYZ(12.4043, 6.6772,
2.3853)**

Conversions

Conversions Part 1

Format	Color
Hex	921225
RGB	146, 18, 37
RGB Percent	57%, 7%, 15%
CMY	0.4275, 0.9294, 0.8549
CMYK	0.00, 0.88, 0.75, 0.43
HSL	351°, 78%, 32%
HSV	351°, 88%, 57%
XYZ	12.4043, 6.6772, 2.3853
YIQ	58.4380, 70.1890, 33.0450

Conversions

Conversions Part 2

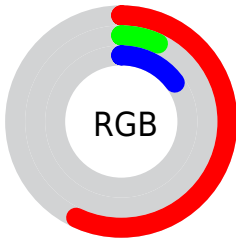
Format	Color
R_{YB}	146, 18, 37
Decimal	9572901
CIE Lab	31.06, 50.77, 25.18
CIE LCh	31, 56.672, 26.376
Yxy	6.6772, 0.5778, 0.3110
Android (android.graphics.Color)	4287762981 (0xFF921225)
YUV	58.4380, -10.5689, 76.7919
Hunter-Lab	25.8403, 40.4662, 12.6152

Details

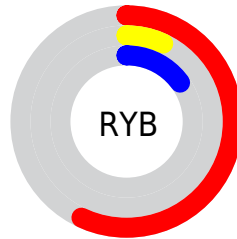
The XYZ color **12.4043, 6.6772, 2.3853** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **14.3602, 22.2190, 23.6154**, and the grayscale version is **4.0888, 4.3018, 4.6846**.

A 20% lighter version of the original color is **29.7726, 19.3230, 10.1432**, and **3.9305, 2.0262, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **12.0619, 6.2534, 1.4666**, and if you desaturate by 10%, it is **12.9508, 7.4028, 3.7003**.

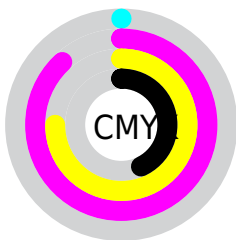
Distribution



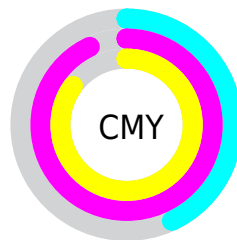
- Red (57%)
- Green (7%)
- Blue (15%)



- Red (57%)
- Yellow (7%)
- Blue (15%)



- Cyan (0%)
- Magenta (88%)
- Yellow (75%)
- Black (43%)



- Cyan (43%)
- Magenta (93%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4043, 6.6772, 2.3853 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 12.4043, 6.6772, 2.3853 by changing the saturation by 10% instead.

■ 12.4043, 6.6772,
2.3853

■ 12.4043, 6.6772,
2.3853

200.7795,
164.9539, 128.0989

■ 7.0938, 3.2611,
0.7784

■ 29.8399, 19.3208,
10.0697

■ 3.5677, 1.2695,
0.0000

■ 42.6956, 29.3171,
16.9960

■ 1.4606, 0.1174,
0.0000

■ 58.7972, 42.2755,
26.5364

■ 0.2988, 0.0000,
0.0000

■ 78.5099, 58.5805,
39.1094


■ 0.0000, 0.0000,
0.0000

■ 102.1992, 78.6164,
55.1336


■ 130.2303,


102.7677, 75.0276


 162.9686,
131.4187, 99.2098

 12.4043, 6.6772,
2.3853


 12.4043, 6.6772,
2.3853


 12.0619, 6.2534,
1.4666


 12.9508, 7.4028,
3.7003

 11.9955, 6.1676,
1.3001

 13.7450, 8.5075,
5.4562

 14.8128, 10.0346,
7.6883

 16.1766, 12.0210,
10.4282

 17.8566, 14.4997,
13.7049

■ 19.8711, 17.5008,
17.5449

■ 22.2369, 21.0518,
21.9733

■ 24.9698, 25.1782,
27.0133

■ 28.0846, 29.9042,
32.6871

Harmonies

Analogous

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



13.2728, 6.6772, 8.2764



12.4043, 6.6772, 2.3853



9.7711, 6.6772, 0.4448

Triad

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



12.4043, 6.6772, 2.3853



2.8677, 6.6772, 1.6767



6.0162, 6.6772, 35.5339

Complementary

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



12.4043, 6.6772, 2.3853



14.3602, 22.2190, 23.6154

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.



3.8332, 6.6772, 28.7634



12.4043, 6.6772, 2.3853



2.3804, 6.6772, 6.3493

Square

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



12.4043, 6.6772, 2.3853



4.2645, 6.6772, 0.1944



2.6742, 6.6772, 16.3555



9.0151, 6.6772, 31.2399

Rectangle

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



12.4043, 6.6772, 2.3853



7.6837, 6.6772, 0.0000



2.6742, 6.6772, 16.3555



5.1742, 6.6772, 34.3995

Sweetspot

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



12.4045, 6.6776, 2.3854



35.4970, 31.5350, 31.7851



14.1277, 7.0052, 27.8015



7.6361, 6.6256, 6.5786



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.



12.4045, 6.6776, 2.3854



21.1214, 10.8643, 2.0819



13.7302, 9.6886, 1.7193



5.8338, 5.8286, 6.2309



10.5618, 5.4298, 1.1733



0.1360, 0.0691, 0.0496

Inverse Universe

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



12.4045, 6.6776, 2.3854



21.1214, 10.8643, 2.0819



10.1116, 11.5512, 28.8906



5.8338, 5.8286, 6.2309



10.5618, 5.4298, 1.1733



0.1360, 0.0691, 0.0496

Previews

White Background



This preview shows how the XYZ color 12.4043, 6.6772, 2.3853 looks on a white background.

Color Contrast Check

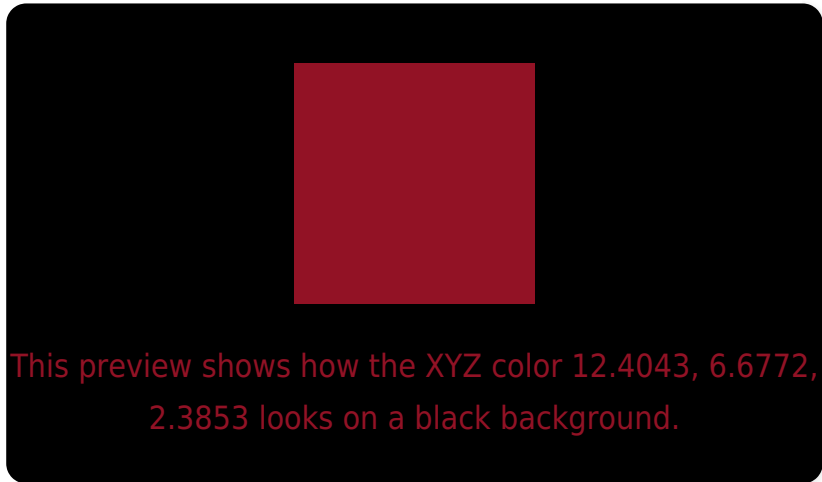
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4043, 6.6772, 2.3853

Background



This preview shows how black text looks on a background with the XYZ color 12.4043, 6.6772, 2.3853.



This preview shows how white text looks on a background with the XYZ color 12.4043, 6.6772,

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

12.4043, 6.6772, 2.3853

Protanopia

6.5753, 7.0478, 4.5038

Deuteranopia

7.0911, 6.9749, 2.1349



Tritanopia

12.2672, 6.7353, 1.3153

Trichromacy



Original Color

12.4043, 6.6772, 2.3853

Protanomaly

7.6784, 5.8550, 3.5217

Deuteranomaly

8.2988, 6.0710, 2.1009

Tritanomaly

12.3087, 6.7219, 1.6260

Monochromacy



Original Color

12.4043, 6.6772, 2.3853

Achromatopsia

4.0217, 4.2311, 4.6077

Achromatomaly

5.6560, 4.1317, 3.5170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4043, 6.6772, 2.3853 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, 18, 37)` looks like.

```
.text, #text, p{  
    color:rgb(146, 18, 37)  
}
```

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, 18, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 18, 37) }
```

Border

The CSS property to change the border of an element to XYZ 12.4043, 6.6772, 2.3853 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, 18, 37) }
```


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

```
.border{ border-color:rgb(146, 18, 37) }
```

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

Here you see how a box with a 4 pixel rgb(146, 18, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 18, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 18, 37);  
box-shadow:4px 4px 4px 4px rgb(146, 18,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4043, 6.6772, 2.3853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 18, 37) }
```

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

```
.background{ background-color: rgb(146, 18,  
37) }
```

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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