

Converting Colors

XYZ(12.1831, 6.7563, 2.4319)

Have a look what the booklet for
XYZ(12.1831, 6.7563, 2.4319)
contains.

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Color

**XYZ(12.1832, 6.7581,
2.4126)**

Conversions

Conversions Part 1

Format	Color
Hex	901925
RGB	144, 25, 37
RGB Percent	56%, 10%, 15%
CMY	0.4353, 0.9019, 0.8549
CMYK	0.00, 0.83, 0.74, 0.44
HSL	354°, 70%, 33%
HSV	354°, 83%, 56%
XYZ	12.1832, 6.7581, 2.4126
YIQ	61.9490, 67.0720, 28.9600

Conversions

Conversions Part 2

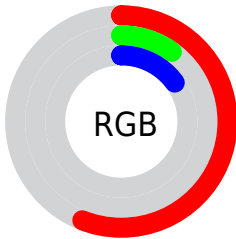
Format	Color
R_{YB}	144, 25, 37
Decimal	9443621
CIE Lab	31.25, 48.44, 25.29
CIE LCh	31, 54.645, 27.569
Yxy	6.7581, 0.5705, 0.3165
Android (android.graphics.Color)	4287633701 (0xFF901925)
YUV	61.9490, -12.2999, 71.9587
Hunter-Lab	25.9963, 38.1605, 12.6950

Details

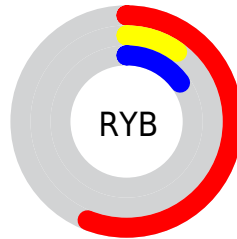
The XYZ color **12.1832, 6.7581, 2.4126** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **14.5398, 21.8195, 25.2781**, and the grayscale version is **4.5824, 4.8210, 5.2501**.

A 20% lighter version of the original color is **29.4421, 19.4812, 10.1911**, and **3.8378, 1.9784, 0.1796** is the 20% darker color. If you saturate the color by 10%, you get **11.7822, 6.2259, 1.4477**, and if you desaturate by 10%, it is **12.8152, 7.6372, 3.8106**.

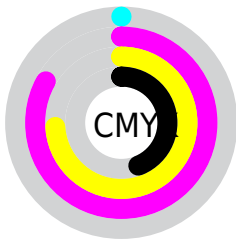
Distribution



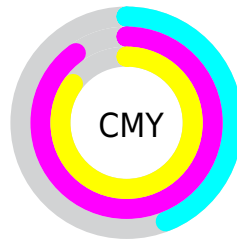
- Red (56%)
- Green (10%)
- Blue (15%)



- Red (56%)
- Yellow (10%)
- Blue (15%)



- Cyan (0%)
- Magenta (83%)
- Yellow (74%)
- Black (44%)





- Cyan (44%)
- Magenta (90%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1832, 6.7581, 2.4126 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 12.1832, 6.7581, 2.4126 by changing the saturation by 10% instead.


 12.1832, 6.7581,
2.4126


 12.1832, 6.7581,
2.4126


199.3596,
165.6383, 128.4864


 6.9417, 3.3113,
0.7933


 29.4423, 19.4849,
10.1409


 3.4716, 1.2963,
0.0000

 42.1906, 29.5337,
17.0969


 1.4078, 0.1384,
0.0000

 58.1718, 42.5519,
26.6721

 0.2618, 0.0000,
0.0000


 77.7513, 58.9239,
39.2852


 0.0000, 0.0000,
0.0000


 101.2945, 79.0342,
55.3546


 129.1667,


103.2671, 75.2989


 161.7333,
132.0070, 99.5367


 12.1832, 6.7581,
2.4126


 12.1832, 6.7581,
2.4126


 11.7822, 6.2259,
1.4477


 12.8152, 7.6372,
3.8106

 11.5844, 5.9624,
0.9742

 13.7062, 8.9076,
5.6847

 14.8806, 10.6085,
8.0730

 16.3596, 12.7740,
11.0097

 18.1627, 15.4346,
14.5260

■ 20.3077, 18.6184,
18.6507

■ 22.8108, 22.3513,
23.4108

■ 25.6876, 26.6575,
28.8316

■ 28.9524, 31.5598,
34.9370

Harmonies

Analogous

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



13.0976, 6.7581, 8.0045



12.1832, 6.7581, 2.4126



9.6143, 6.7581, 0.5423

Triad

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



12.1832, 6.7581, 2.4126



2.9731, 6.7581, 1.9315



6.2066, 6.7581, 34.2822

Complementary

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



12.1832, 6.7581, 2.4126



14.5398, 21.8195, 25.2781

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.



4.0304, 6.7581, 28.2680



12.1832, 6.7581, 2.4126



2.5187, 6.7581, 6.7481

Square

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



12.1832, 6.7581, 2.4126



4.3153, 6.7581, 0.3802



2.8438, 6.7581, 16.5594



9.1258, 6.7581, 29.8366

Rectangle

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



12.1832, 6.7581, 2.4126



7.6019, 6.7581, 0.0360



2.8438, 6.7581, 16.5594



5.3734, 6.7581, 33.3594

Sweetspot

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



12.1834, 6.7585, 2.4127



34.6649, 31.1239, 30.6874



14.6058, 7.4644, 27.0565



7.6739, 6.7283, 6.5078



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.



12.1834, 6.7585, 2.4127



20.4365, 10.5504, 1.6415



13.9064, 10.4581, 2.2059



5.4296, 5.4324, 5.7603



10.0925, 5.1940, 0.8727



0.1000, 0.0511, 0.0267

Inverse Universe

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



12.1834, 6.7585, 2.4127



20.4365, 10.5504, 1.6415



9.8391, 11.0283, 27.9956



5.4296, 5.4324, 5.7603



10.0925, 5.1940, 0.8727



0.1000, 0.0511, 0.0267

Previews

White Background



This preview shows how the XYZ color 12.1832, 6.7581, 2.4126 looks on a white background.

Color Contrast Check

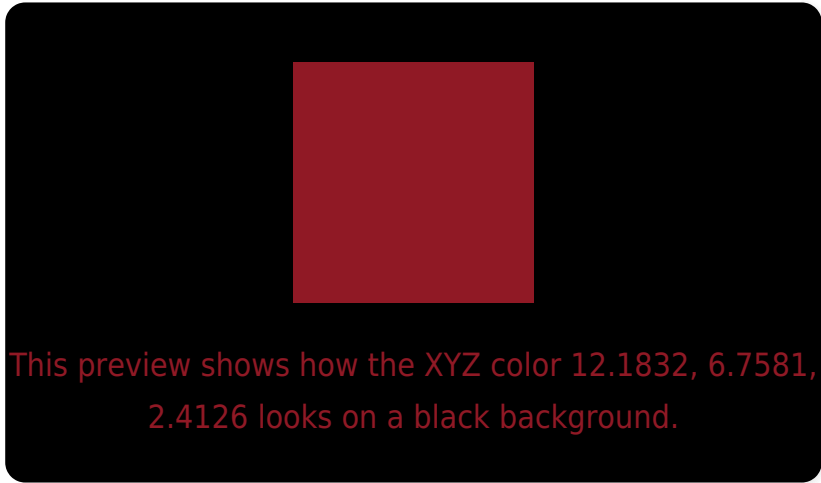
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1832, 6.7581, 2.4126

Background



This preview shows how black text looks on a background with the XYZ color 12.1832, 6.7581, 2.4126.



This preview shows how white text looks on a background with the XYZ color 12.1832, 6.7581,

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

12.1832, 6.7581, 2.4126

Protanopia

6.5520, 7.0385, 4.3814

Deuteranopia

7.1552, 7.1031, 2.1563



Tritanopia

12.0914, 6.7923, 1.7107

Trichromacy



Original Color

12.1832, 6.7581, 2.4126

Protanomaly

7.6851, 6.0745, 3.4568

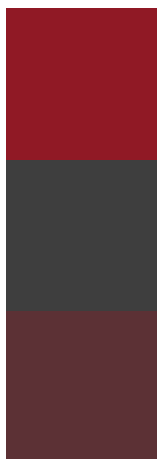
Deuteranomaly

8.3090, 6.2814, 2.1410

Tritanomaly

12.1183, 6.7670, 1.9638

Monochromacy



Original Color

12.1832, 6.7581, 2.4126

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

6.1545, 4.7290, 3.9566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1832, 6.7581, 2.4126 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(144, 25, 37)` looks like.

```
.text, #text, p{  
    color:rgb(144, 25, 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(144, 25, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 25, 37) }
```

Border

The CSS property to change the border of an element to XYZ 12.1832, 6.7581, 2.4126 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(144, 25, 37) }
```


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

```
.border{ border-color:rgb(144, 25, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 25, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 25, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 25, 37);  
box-shadow:4px 4px 4px 4px rgb(144, 25,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1832, 6.7581, 2.4126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 25, 37) }
```

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

```
.background{ background-color: rgb(144, 25,  
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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