

Converting Colors

XYZ(10.1605, 5.9622, 0.9202)

Have a look what the booklet for
XYZ(10.1605, 5.9622, 0.9202)
contains.

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Color

**XYZ(10.2233, 5.9907,
0.9341)**

Conversions

Conversions Part 1

Format	Color
Hex	851F0B
RGB	133, 31, 11
RGB Percent	52%, 12%, 4%
CMY	0.4784, 0.8784, 0.9569
CMYK	0.00, 0.77, 0.92, 0.48
HSL	10°, 85%, 28%
HSV	10°, 92%, 52%
XYZ	10.2233, 5.9907, 0.9341
YIQ	59.2180, 67.2120, 15.4040

Conversions

Conversions Part 2

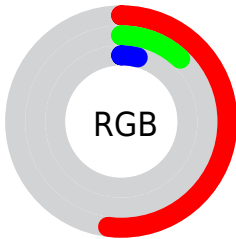
Format	Color
R_{YB}	133, 35, 11
Decimal	8724235
CIE Lab	29.39, 42.14, 37.31
CIE LCh	29, 56.287, 41.518
Yxy	5.9907, 0.5962, 0.3494
Android (android.graphics.Color)	4286914315 (0xFF851F0B)
YUV	59.2180, -23.7715, 64.7068
Hunter-Lab	24.4759, 31.7245, 14.8704

Details

The XYZ color **10.2233, 5.9907, 0.9341** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **10.2760, 13.5733, 24.2685**, and the grayscale version is **4.2125, 4.4319, 4.8263**.

A 20% lighter version of the original color is **25.8765, 17.9636, 5.8449**, and **2.9017, 1.4959, 0.1358** is the 20% darker color. If you saturate the color by 10%, you get **9.9561, 5.5531, 0.5471**, and if you desaturate by 10%, it is **10.6733, 6.7187, 1.6149**.

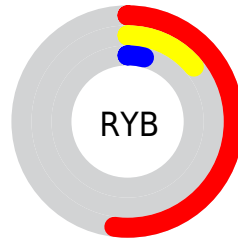
Distribution



Red (52%)

Green (12%)

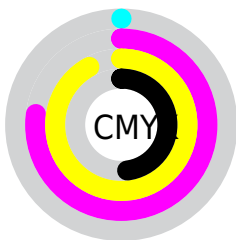
Blue (4%)



Red (52%)

Yellow (14%)

Blue (4%)

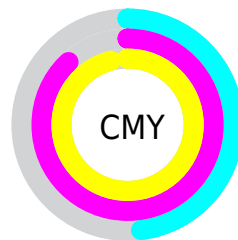


Cyan (0%)

Magenta (77%)

Yellow (92%)

Black (48%)



Cyan (48%)


Magenta (88%)


Yellow (96%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 10.2233, 5.9907, 0.9341 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 10.2233, 5.9907, 0.9341 by changing the saturation by 10% instead.


 10.2233, 5.9907,
0.9341


 10.2233, 5.9907,
0.9341


 186.2790,
158.9923, 102.6673


 5.6107, 2.8394,
0.0000

 25.8605, 17.9118,
5.8412


 2.6482, 1.0485,
0.0000


 37.6159, 27.4505,
10.8319

 0.9706, 0.0000,
0.0000

 52.4828, 39.8870,
18.0722


 0.0000, 0.0000,
0.0000


 70.8267, 55.6059,
27.9808


 93.0129, 74.9915,
40.9760


 119.4068, 98.4281,


57.4765


 150.3737,
126.3003, 77.9007


 10.2233, 5.9907,
0.9341


 10.2233, 5.9907,
0.9341


 9.9561, 5.5531,
0.5471

 10.6733, 6.7187,
1.6149

 11.3006, 7.6925,
2.6893

 12.1222, 8.9327,
4.2058

 13.1529, 10.4569,
6.2056

 14.4062, 12.2816,
8.7255

■ 15.8942, 14.4217,
11.7984

■ 17.6282, 16.8912,
15.4547

■ 19.6188, 19.7034,
19.7225

■ 21.8760, 22.8706,
24.6280

Harmonies

Analogous

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



11.9946, 5.9907, 4.0968



10.2233, 5.9907, 0.9341



7.3983, 5.9907, 0.0000

Triad

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



10.2233, 5.9907, 0.9341



2.1891, 5.9907, 3.0011



6.7327, 5.9907, 32.3173

Complementary

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



10.2233, 5.9907, 0.9341



10.2760, 13.5733, 24.2685

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.



4.2738, 5.9907, 31.0483



10.2233, 5.9907, 0.9341



2.1084, 5.9907, 9.7562

Square

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



10.2233, 5.9907, 0.9341



3.0181, 5.9907, 0.5961



2.7500, 5.9907, 21.0072



9.6123, 5.9907, 23.7555

Rectangle

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



10.2233, 5.9907, 0.9341



5.5648, 5.9907, 0.0000



2.7500, 5.9907, 21.0072



5.8252, 5.9907, 33.1335

Sweetspot

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



10.2234, 5.9911, 0.9342



29.3757, 27.1298, 23.0395



12.8698, 6.4568, 16.6972



6.3723, 5.7608, 4.6761



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



10.2234, 5.9911, 0.9342



17.7478, 9.7813, 0.9526



13.4148, 12.3738, 1.9980



4.7298, 4.8031, 4.9072



9.4878, 5.2982, 0.5226



0.0365, 0.0255, 0.0030

Inverse Universe

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



10.2760, 13.5733, 24.2685



17.7015, 23.2724, 43.2975



5.6769, 4.3751, 22.7355



4.7384, 5.1524, 5.9455



9.4717, 12.4913, 23.0485



0.0371, 0.0519, 0.0813

Previews

White Background



This preview shows how the XYZ color 10.2233, 5.9907, 0.9341 looks on a white background.

Color Contrast Check

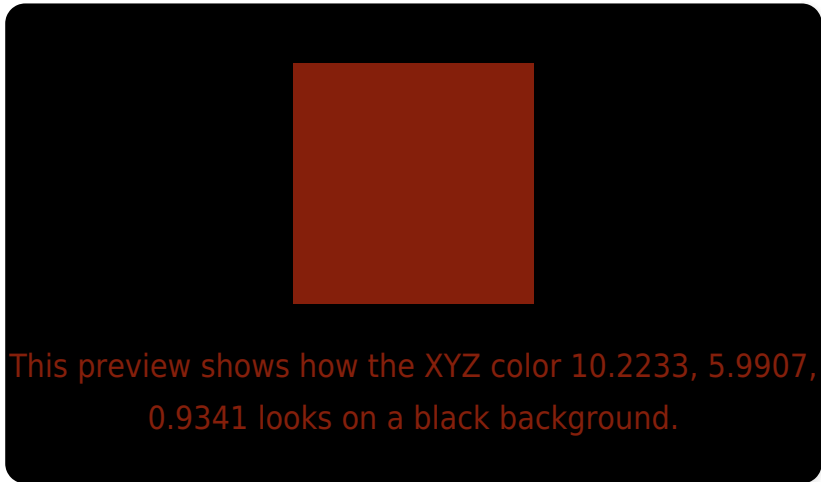
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.2233, 5.9907, 0.9341

Background



This preview shows how black text looks on a background with the XYZ color 10.2233, 5.9907, 0.9341.



This preview shows how white text looks on a background with the XYZ color 10.2233, 5.9907,

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

10.2233, 5.9907, 0.9341

Protanopia

5.6969, 6.2661, 1.6187

Deuteranopia

6.2236, 6.1880, 0.8664



Tritanopia

10.3466, 5.9590, 1.8332

Trichromacy



Original Color

10.2233, 5.9907, 0.9341

Protanomaly

6.6609, 5.5215, 1.2450

Deuteranomaly

7.2849, 5.7113, 0.8333

Tritanomaly

10.2918, 5.9770, 1.4218

Monochromacy



Original Color

10.2233, 5.9907, 0.9341

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

5.3540, 4.3422, 2.7464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2233, 5.9907, 0.9341 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(133, 31, 11)` looks like.

```
.text, #text, p{  
    color:rgb(133, 31, 11)  
}
```

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(133, 31, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 31, 11) }
```

Border

The CSS property to change the border of an element to XYZ 10.2233, 5.9907, 0.9341 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(133, 31, 11) }
```


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

```
.border{ border-color:rgb(133, 31, 11) }
```

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

Here you see how a box with a 4 pixel rgb(133, 31, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 31, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 31, 11);  
box-shadow:4px 4px 4px 4px rgb(133, 31,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2233, 5.9907, 0.9341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 31, 11) }
```

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

```
.background{ background-color: rgb(133, 31,  
11) }
```

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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