

Converting Colors

XYZ(12.2059, 8.3480, 0.9967)

Have a look what the booklet for
XYZ(12.2059, 8.3480, 0.9967)
contains.

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Color

**XYZ(12.1869, 8.3100,
0.9904)**

Conversions

Conversions Part 1

Format	Color
Hex	8C3701
RGB	140, 55, 1
RGB Percent	55%, 22%, 0%
CMY	0.4510, 0.7843, 0.9961
CMYK	0.00, 0.61, 0.99, 0.45
HSL	23°, 99%, 28%
HSV	23°, 99%, 55%
XYZ	12.1869, 8.3100, 0.9904
YIQ	74.2590, 67.9940, 1.2260

Conversions

Conversions Part 2

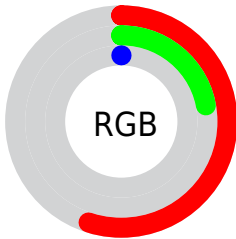
Format	Color
R_{YB}	140, 89, 1
Decimal	9189121
CIE Lab	34.62, 33.94, 45.53
CIE LCh	35, 56.784, 53.298
Yxy	8.3100, 0.5672, 0.3867
Android (android.graphics.Color)	4287379201 (0xFF8C3701)
YUV	74.2590, -36.1167, 57.6549
Hunter-Lab	28.8271, 25.0151, 18.1419

Details

The XYZ color **12.1869, 8.3100, 0.9904** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **8.0737, 8.5550, 26.0366**, and the grayscale version is **6.6092, 6.9534, 7.5723**.

A 20% lighter version of the original color is **29.4908, 22.6304, 6.0626**, and **3.5122, 1.8590, 0.1737** is the 20% darker color. If you saturate the color by 10%, you get **12.1527, 8.2504, 0.9520**, and if you desaturate by 10%, it is **12.7104, 9.2279, 1.5633**.

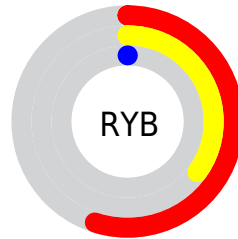
Distribution



Red (55%)

Green (22%)

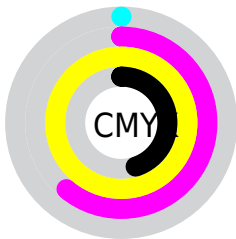
Blue (0%)



Red (55%)

Yellow (35%)

Blue (0%)

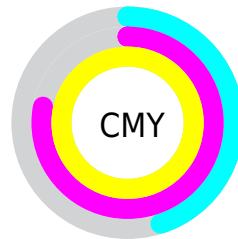


Cyan (0%)

Magenta (61%)

Yellow (99%)

Black (45%)



Cyan (45%)


Magenta (78%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1869, 8.3100, 0.9904 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 12.1869, 8.3100, 0.9904 by changing the saturation by 10% instead.


 12.1869, 8.3100,
0.9904


 12.1869, 8.3100,
0.9904


 199.3835,
178.1437, 103.9320


 6.9442, 4.2939,
0.0000


 29.4490, 22.5640,
6.0295


 3.4732, 1.8393,
0.0000

 42.1990, 33.5707,
11.1156

 1.4087, 0.5115,
0.0000

 58.1823, 47.6763,
18.4708

 0.2624, 0.0000,
0.0000


 77.7640, 65.2654,
28.5136


 0.0000, 0.0000,
0.0000


 101.3097, 86.7223,
41.6626


 129.1846,


112.4314, 58.3363


 161.7540,
142.7770, 78.9533


 12.1869, 8.3100,
0.9904


 12.1869, 8.3100,
0.9904


 12.1527, 8.2504,
0.9520

 12.7104, 9.2279,
1.5633

 13.3625, 10.3153,
2.4493

 14.1705, 11.5883,
3.7756

 15.1468, 13.0570,
5.5931

 16.3024, 14.7300,
7.9455

■ 17.6471, 16.6157,
10.8718

■ 19.1902, 18.7219,
14.4072

■ 20.9399, 21.0558,
18.5839

■ 22.9043, 23.6244,
23.4321

Harmonies

Analogous

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



15.0240, 8.3100, 3.7063



12.1869, 8.3100, 0.9904



8.6401, 8.3100, 0.2303

Triad

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



12.1869, 8.3100, 0.9904



3.2205, 8.3100, 7.1397



10.5971, 8.3100, 36.8930

Complementary

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



12.1869, 8.3100, 0.9904



8.0737, 8.5550, 26.0366

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.



7.2004, 8.3100, 40.3640



12.1869, 8.3100, 0.9904



3.4805, 8.3100, 17.9851

Square

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



12.1869, 8.3100, 0.9904



3.9141, 8.3100, 2.0654



4.7564, 8.3100, 31.8788



13.9460, 8.3100, 24.2396

Rectangle

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



12.1869, 8.3100, 0.9904



6.5632, 8.3100, 0.3096



4.7564, 8.3100, 31.8788



9.4035, 8.3100, 39.4153

Sweetspot

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



12.1871, 8.3105, 0.9905



33.4457, 32.4840, 24.4955



12.5348, 6.2807, 9.5080



7.4677, 7.1603, 5.0925



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.1871, 8.3105, 0.9905



21.2793, 14.2529, 1.6295



18.0012, 19.9387, 2.9286



5.1818, 5.3465, 5.3113



10.8164, 7.3672, 0.8519



0.0853, 0.0759, 0.0102

Inverse Universe

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



8.0737, 8.5550, 26.0366



13.9984, 14.6437, 45.8317



4.9500, 2.3076, 24.9953



5.0124, 5.3677, 6.3777



7.1546, 7.5796, 23.1316



0.0618, 0.0789, 0.1584

Previews

White Background



This preview shows how the XYZ color 12.1869, 8.3100, 0.9904 looks on a white background.

Color Contrast Check

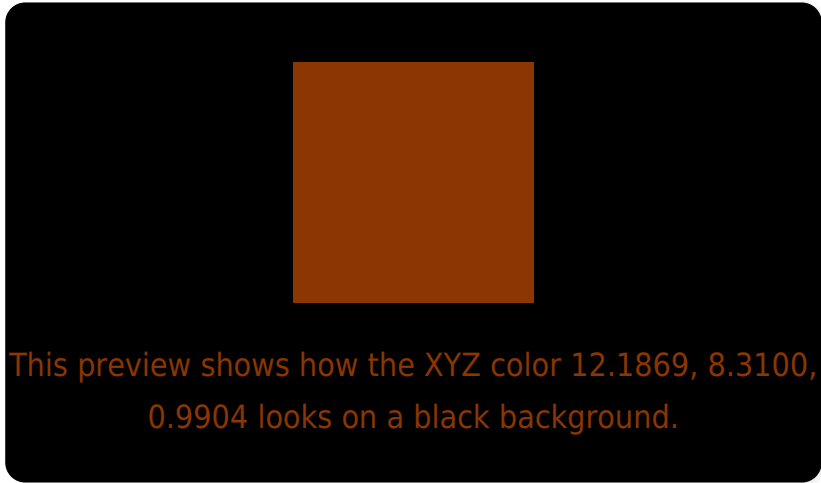
Large Text (above 18pt) WCAG AA ✓ Pass

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

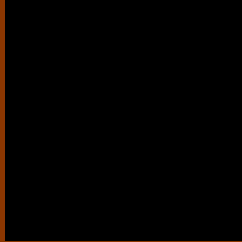
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.1869, 8.3100, 0.9904

Background



This preview shows how black text looks on a background with the XYZ color 12.1869, 8.3100, 0.9904.



This preview shows how white text looks on a background with the XYZ color 12.1869, 8.3100,

0.9904.

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

12.1869, 8.3100, 0.9904

Protanopia

7.6867, 8.5454, 1.6598

Deuteranopia

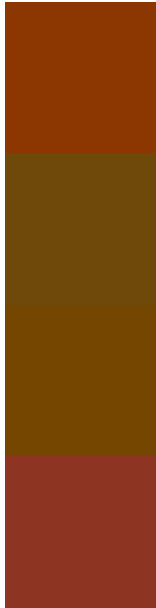
8.4333, 8.3918, 1.1753



Tritanopia

12.8342, 8.2967, 4.4150

Trichromacy



Original Color

12.1869, 8.3100, 0.9904

Protanomaly

8.8623, 8.0998, 1.3548

Deuteranomaly

9.5263, 8.1622, 1.0734

Tritanomaly

12.5159, 8.2401, 2.5209

Monochromacy



Original Color

12.1869, 8.3100, 0.9904

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

7.5572, 6.8162, 3.6067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1869, 8.3100, 0.9904 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(140, 55, 1)` looks like.

```
.text, #text, p{  
    color:rgb(140, 55, 1)  
}
```

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(140, 55, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 55, 1) }
```

Border

The CSS property to change the border of an element to XYZ 12.1869, 8.3100, 0.9904 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(140, 55, 1) }
```


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

```
.border{ border-color:rgb(140, 55, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 55, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 55, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 55, 1);  
box-shadow:4px 4px 4px 4px rgb(140, 55, 1)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.1869, 8.3100, 0.9904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 55, 1) }
```

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

```
.background{ background-color: rgb(140, 55,  
1) }
```

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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