

Converting Colors

XYZ(12.0533, 10.0166, 1.9933)

Have a look what the booklet for
XYZ(12.0533, 10.0166, 1.9933)
contains.

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Color

**XYZ(12.0799, 10.0483,
2.0123)**

Conversions

Conversions Part 1

Format	Color
Hex	834C15
RGB	131, 76, 21
RGB Percent	51%, 30%, 8%
CMY	0.4863, 0.7019, 0.9176
CMYK	0.00, 0.42, 0.84, 0.49
HSL	30°, 72%, 30%
HSV	30°, 84%, 51%
XYZ	12.0799, 10.0483, 2.0123
YIQ	86.1750, 50.4350, -5.4450

Conversions

Conversions Part 2

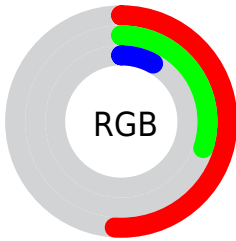
Format	Color
R_{YB}	131, 131, 21
Decimal	8604693
CIE Lab	37.93, 18.94, 40.10
CIE LCh	38, 44.349, 64.724
Yxy	10.0483, 0.5004, 0.4162
Android (android.graphics.Color)	4286794773 (0xFF834C15)
YUV	86.1750, -32.1313, 39.3115
Hunter-Lab	31.6991, 12.5496, 18.4255

Details

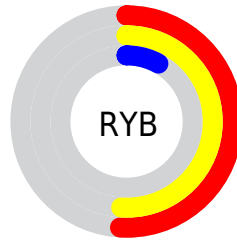
The XYZ color **12.0799, 10.0483, 2.0123** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **6.9903, 6.9668, 22.4490**, and the grayscale version is **8.9416, 9.4072, 10.2445**.

A 20% lighter version of the original color is **29.1468, 25.7883, 9.0717**, and **3.4705, 2.5165, 0.3028** is the 20% darker color. If you saturate the color by 10%, you get **11.5595, 9.1549, 1.3847**, and if you desaturate by 10%, it is **12.7095, 11.0598, 2.9860**.

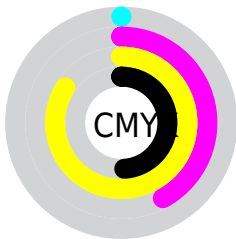
Distribution



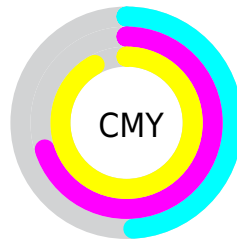
- Red (51%)
- Green (30%)
- Blue (8%)



- Red (51%)
- Yellow (51%)
- Blue (8%)



- Cyan (0%)
- Magenta (42%)
- Yellow (84%)
- Black (49%)



- Cyan (49%)
- Magenta (70%)
- Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0799, 10.0483, 2.0123 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 12.0799, 10.0483, 2.0123 by changing the saturation by 10% instead.

■ 12.0799, 10.0483,
2.0123

■ 12.0799, 10.0483,
2.0123

198.6927,
191.0164, 122.5675

■ 6.8707, 5.4310,
0.5628

■ 29.2561, 25.8863,
9.0744

■ 3.4270, 2.5023,
0.0000

■ 41.9539, 37.8758,
15.5772

■ 1.3834, 0.8778,
0.0000

■ 57.8785, 53.0915,
24.6193

■ 0.2443, 0.0000,
0.0000

■ 77.3954, 71.9177,
36.6192

■ 0.0000, 0.0000,
0.0000

■ 100.8699, 94.7390,
51.9954

■ 128.6674,

121.9396, 71.1665

161.1532,
153.9039, 94.5510

12.0799, 10.0483,
2.0123

12.0799, 10.0483,
2.0123

11.5595, 9.1549,
1.3847

12.7095, 11.0598,
2.9860

11.2794, 8.6639,
1.0778

13.4582, 12.1941,
4.3551

14.3349, 13.4572,
6.1589

15.3473, 14.8542,
8.4317

16.5023, 16.3897,
11.2042

■ 17.8063, 18.0681,
14.5048

■ 19.2652, 19.8934,
18.3593

■ 20.8847, 21.8697,
22.7922

■ 22.6702, 24.0007,
27.8262

Harmonies

Analogous

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



14.7848, 10.0483, 4.2266



12.0799, 10.0483, 2.0123



9.1074, 10.0483, 1.5800

Triad

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



12.0799, 10.0483, 2.0123



5.0730, 10.0483, 12.2816



13.0151, 10.0483, 29.5113

Complementary

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



12.0799, 10.0483, 2.0123



6.9903, 6.9668, 22.4490

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.



10.0079, 10.0483, 35.1346



12.0799, 10.0483, 2.0123



5.7255, 10.0483, 22.5010

Square

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



12.0799, 10.0483, 2.0123



5.4113, 10.0483, 5.5254



7.4016, 10.0483, 32.0810



15.3955, 10.0483, 19.0790

Rectangle

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



12.0799, 10.0483, 2.0123



7.4419, 10.0483, 1.9918



7.4016, 10.0483, 32.0810



12.0242, 10.0483, 32.2116

Sweetspot

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



12.0801, 10.0488, 2.0125



31.4932, 31.8550, 24.9583



10.9328, 5.8835, 7.3970



7.1650, 7.2024, 5.3838



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.



12.0801, 10.0488, 2.0125



20.0443, 15.2059, 1.8786



17.6117, 21.1120, 3.8563



4.8506, 5.0448, 4.9475



11.1055, 8.5336, 1.0618



0.0458, 0.0441, 0.0061

Inverse Universe

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



6.9903, 6.9668, 22.4490



10.6181, 9.4980, 39.7268



4.6742, 2.3345, 21.6769



4.6125, 4.9006, 5.9036



5.9242, 5.3961, 21.8660



0.0278, 0.0333, 0.0782

Previews

White Background



This preview shows how the XYZ color 12.0799, 10.0483, 2.0123 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 × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0799, 10.0483, 2.0123

Background



This preview shows how black text looks on a background with the XYZ color 12.0799, 10.0483, 2.0123.



This preview shows how white text looks on a background with the XYZ color 12.0799, 10.0483,

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

12.0799, 10.0483, 2.0123

Protanopia

9.1985, 10.1492, 2.3939

Deuteranopia

10.1521, 10.0451, 1.8940



Tritanopia

13.3893, 10.0966, 8.0806

Trichromacy



Original Color

12.0799, 10.0483, 2.0123

Protanomaly

10.0955, 10.0077, 2.2637

Deuteranomaly

10.8722, 10.0713, 1.9432

Tritanomaly

12.7692, 10.0372, 5.0057

Monochromacy



Original Color

12.0799, 10.0483, 2.0123

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.3663, 9.2072, 5.8409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0799, 10.0483, 2.0123 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(131, 76, 21)` looks like.

```
.text, #text, p{  
    color:rgb(131, 76, 21)  
}
```

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(131, 76, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 76, 21) }
```

Border

The CSS property to change the border of an element to XYZ 12.0799, 10.0483, 2.0123 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(131, 76, 21) }
```


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

```
.border{ border-color:rgb(131, 76, 21) }
```

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

Here you see how a box with a 4 pixel rgb(131, 76, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 76, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 76, 21);  
box-shadow:4px 4px 4px 4px rgb(131, 76,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0799, 10.0483, 2.0123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 76, 21) }
```

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

```
.background{ background-color: rgb(131, 76,  
21) }
```

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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