

Converting Colors

XYZ(12.1566, 10.1703, 5.0895)

Have a look what the booklet for
XYZ(12.1566, 10.1703, 5.0895)
contains.

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Color

**XYZ(12.1201, 10.1053,
5.0531)**

Conversions

Conversions Part 1

Format	Color
Hex	7F4D38
RGB	127, 77, 56
RGB Percent	50%, 30%, 22%
CMY	0.5020, 0.6980, 0.7804
CMYK	0.00, 0.39, 0.56, 0.50
HSL	18°, 39%, 36%
HSV	18°, 56%, 50%
XYZ	12.1201, 10.1053, 5.0531
YIQ	89.5560, 36.5410, 4.0690

Conversions

Conversions Part 2

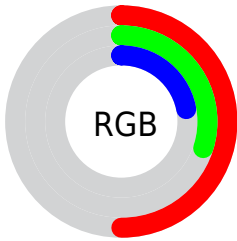
Format	Color
R_{YB}	127, 86, 56
Decimal	8342840
CIE Lab	38.03, 18.78, 21.28
CIE LCh	38, 28.382, 48.583
Yxy	10.1053, 0.4443, 0.3704
Android (android.graphics.Color)	4286532920 (0xFF7F4D38)
YUV	89.5560, -16.5431, 32.8384
Hunter-Lab	31.7888, 12.4261, 12.8275

Details

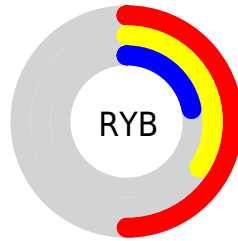
The XYZ color **12.1201, 10.1053, 5.0531** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **10.6154, 12.6806, 21.9668**, and the grayscale version is **9.6492, 10.1517, 11.0552**.

A 20% lighter version of the original color is **29.2004, 25.8461, 16.2817**, and **3.4132, 2.5179, 0.6869** is the 20% darker color. If you saturate the color by 10%, you get **11.2648, 8.8302, 3.4252**, and if you desaturate by 10%, it is **13.1408, 11.5851, 7.1252**.

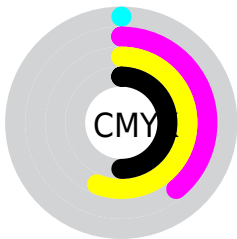
Distribution



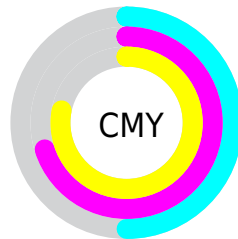
- Red (50%)
- Green (30%)
- Blue (22%)



- Red (50%)
- Yellow (34%)
- Blue (22%)



- Cyan (0%)
- Magenta (39%)
- Yellow (56%)
- Black (50%)





- Cyan (50%)
- Magenta (70%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.1201, 10.1053, 5.0531 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 12.1201, 10.1053, 5.0531 by changing the saturation by 10% instead.


 12.1201, 10.1053,
5.0531


 12.1201, 10.1053,
5.0531


198.9525,
191.4220, 159.2962


 6.8983, 5.4688,
2.2192


 29.3286, 25.9934,
16.3737


 3.4443, 2.5249,
0.6854


 42.0460, 38.0138,
25.6974


 1.3929, 0.8891,
0.0000

 57.9927, 53.2643,
38.0215

 0.2511, 0.0000,
0.0000

 77.5340, 72.1292,
53.7645

 0.0000, 0.0000,
0.0000

 101.0353, 94.9931,
73.3449

 128.8619,

122.2402, 97.1813

161.3792,
154.2551, 125.6922

■ 12.1201, 10.1053,
5.0531

■ 12.1201, 10.1053,
5.0531

■ 11.2648, 8.8302,
3.4252

■ 13.1408, 11.5851,
7.1252

■ 10.5645, 7.7489,
2.2078

■ 14.3350, 13.2767,
9.6707

■ 10.0088, 6.8515,
1.3630

■ 15.7108, 15.1890,
12.7171

■ 9.5818, 6.1253,
0.8266

■ 17.2759, 17.3297,
16.2895

■ 9.4318, 5.8708,
0.6361

■ 19.0374, 19.7062,
20.4112

■ 21.0020, 22.3255,
25.1042

■ 23.1761, 25.1943,
30.3895

■ 25.5658, 28.3192,
36.2866

■ 28.1769, 31.7063,
42.8144

Harmonies

Analogous

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



13.3325, 10.1053, 8.0992



12.1201, 10.1053, 5.0531



10.3168, 10.1053, 3.7960

Triad

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



12.1201, 10.1053, 5.0531



6.5575, 10.1053, 9.1299



10.7679, 10.1053, 23.5532

Complementary

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



12.1201, 10.1053, 5.0531



10.6154, 12.6806, 21.9668

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.



8.9263, 10.1053, 24.0977



12.1201, 10.1053, 5.0531



6.6460, 10.1053, 14.5291

Square

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



12.1201, 10.1053, 5.0531



7.2048, 10.1053, 5.6008



7.4640, 10.1053, 20.3990



12.4861, 10.1053, 19.0868

Rectangle

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



12.1201, 10.1053, 5.0531



9.0902, 10.1053, 3.7537



7.4640, 10.1053, 20.3990



10.1384, 10.1053, 24.2437

Sweetspot

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



12.1203, 10.1058, 5.0533



30.4948, 30.4320, 28.1495



12.8143, 8.3995, 14.8237



7.0291, 6.9743, 6.3364



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.1203, 10.1058, 5.0533



19.8087, 15.2585, 5.4777



15.2182, 16.3015, 6.0859



4.4234, 4.5356, 4.5624



9.5111, 5.9187, 0.6411



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.6154, 12.6806, 21.9668



16.7927, 20.2951, 38.9885



7.7394, 6.9286, 21.0081



4.3424, 4.6787, 5.4875



7.5014, 8.8212, 21.5572



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.1201, 10.1053, 5.0531 looks on a white background.

Color Contrast Check

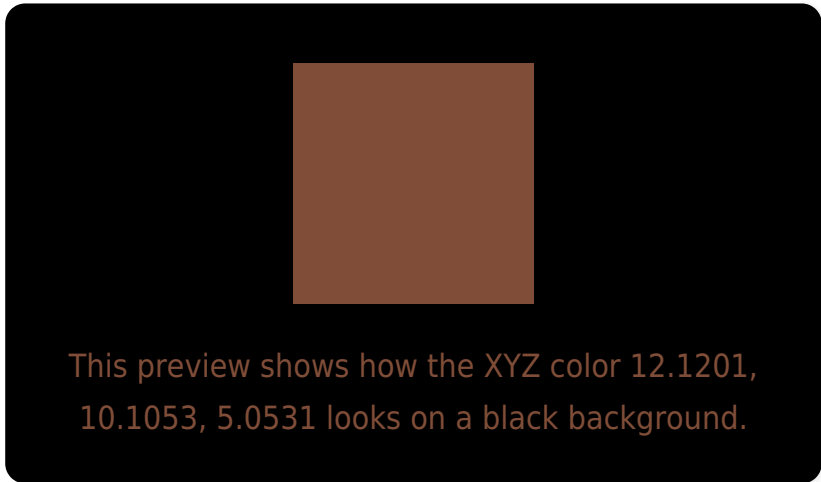
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1201, 10.1053, 5.0531

Background



This preview shows how black text looks on a background with the XYZ color 12.1201, 10.1053, 5.0531.



This preview shows how white text looks on a background with the XYZ color 12.1201, 10.1053,

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

12.1201, 10.1053, 5.0531

Protanopia

9.4282, 10.1906, 5.8849

Deuteranopia

10.3003, 10.1731, 4.9108



Tritanopia

12.9133, 10.1292, 8.6717

Trichromacy



Original Color

12.1201, 10.1053, 5.0531

Protanomaly

10.2223, 10.0009, 5.5293

Deuteranomaly

10.9853, 10.1754, 4.9995

Tritanomaly

12.5555, 10.0763, 7.2444

Monochromacy



Original Color

12.1201, 10.1053, 5.0531

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.2172, 9.9306, 8.5860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1201, 10.1053, 5.0531 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(127, 77, 56)` looks like.

```
.text, #text, p{  
    color:rgb(127, 77, 56)  
}
```

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(127, 77, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 77, 56) }
```

Border

The CSS property to change the border of an element to XYZ 12.1201, 10.1053, 5.0531 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(127, 77, 56) }
```


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

```
.border{ border-color:rgb(127, 77, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 77, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 77, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 77, 56);  
box-shadow:4px 4px 4px 4px rgb(127, 77,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 12.1201, 10.1053, 5.0531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 77, 56) }
```

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

```
.background{ background-color: rgb(127, 77,  
56) }
```

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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