

Converting Colors

XYZ(10.0137, 7.5644, 2.1738)

Have a look what the booklet for
XYZ(10.0137, 7.5644, 2.1738)
contains.

XYZ(10.0186, 7.5364, 2.1549)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(10.0186, 7.5364,
2.1549)**

Conversions

Conversions Part 1

Format	Color
Hex	7B3C1E
RGB	123, 60, 30
RGB Percent	48%, 24%, 12%
CMY	0.5176, 0.7647, 0.8824
CMYK	0.00, 0.51, 0.76, 0.52
HSL	19°, 61%, 30%
HSV	19°, 76%, 48%
XYZ	10.0186, 7.5364, 2.1549
YIQ	75.4170, 47.1780, 4.0260

Conversions

Conversions Part 2

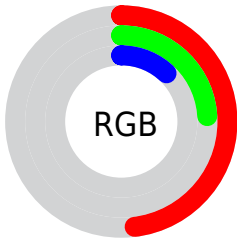
Format	Color
R_{YB}	123, 74, 30
Decimal	8076318
CIE Lab	33.00, 24.99, 30.38
CIE LCh	33, 39.338, 50.561
Yxy	7.5364, 0.5083, 0.3824
Android (android.graphics.Color)	4286266398 (0xFF7B3C1E)
YUV	75.4170, -22.3906, 41.7303
Hunter-Lab	27.4525, 17.1004, 14.5628

Details

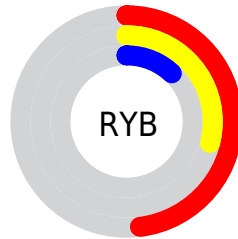
The XYZ color **10.0186, 7.5364, 2.1549** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **8.0246, 9.5342, 20.1562**, and the grayscale version is **6.7968, 7.1508, 7.7872**.

A 20% lighter version of the original color is **25.5610, 21.1486, 9.3915**, and **2.6113, 1.5793, 0.1672** is the 20% darker color. If you saturate the color by 10%, you get **9.4885, 6.6805, 1.3489**, and if you desaturate by 10%, it is **10.6792, 8.5552, 3.3073**.

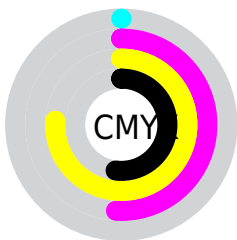
Distribution



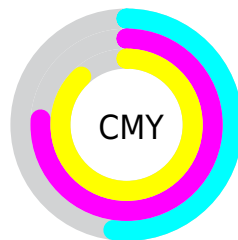
- Red (48%)
- Green (24%)
- Blue (12%)



- Red (48%)
- Yellow (29%)
- Blue (12%)



- Cyan (0%)
- Magenta (51%)
- Yellow (76%)
- Black (52%)



- Cyan (52%)
- Magenta (76%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0186, 7.5364, 2.1549 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 10.0186, 7.5364, 2.1549 by changing the saturation by 10% instead.

■ 10.0186, 7.5364,
2.1549

■ 10.0186, 7.5364,
2.1549

184.8556,
172.0492, 124.7375

■ 5.4737, 3.7998,
0.6482

■ 25.4798, 21.0444,
9.4601

■ 2.5653, 1.5622,
0.0000

■ 37.1268, 31.5847,
16.1290

■ 0.9283, 0.3319,
0.0000

■ 51.8719, 45.1615,
25.3667


■ 0.0000, 0.0000,
0.0000


■ 70.0804, 62.1594,
37.5919


■ 92.1176, 82.9627,
53.2230


■ 118.3490,


107.9559, 72.6786


 149.1399,
137.5232, 96.3773


 10.0186, 7.5364,
2.1549


 10.0186, 7.5364,
2.1549


 9.4885, 6.6805,
1.3489


 10.6792, 8.5552,
3.3073


 9.0742, 5.9754,
0.8302

 11.4791, 9.7443,
4.8402

 8.9165, 5.7072,
0.6316

 12.4269, 11.1119,
6.7844

 13.5304, 12.6653,
9.1670

 14.7966, 14.4115,
12.0129

■ 16.2323, 16.3571,
15.3453

■ 17.8435, 18.5081,
19.1856

■ 19.6363, 20.8706,
23.5540

■ 21.6164, 23.4502,
28.4696

Harmonies

Analogous

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



11.6024, 7.5364, 4.8025



10.0186, 7.5364, 2.1549



7.8398, 7.5364, 1.2968

Triad

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



10.0186, 7.5364, 2.1549



3.8957, 7.5364, 6.4657



8.6628, 7.5364, 24.2987

Complementary

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



10.0186, 7.5364, 2.1549



8.0246, 9.5342, 20.1562

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.



6.5265, 7.5364, 25.5037



10.0186, 7.5364, 2.1549



4.0310, 7.5364, 12.9260

Square

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



10.0186, 7.5364, 2.1549



4.4952, 7.5364, 2.8654



4.9094, 7.5364, 20.6244



10.7204, 7.5364, 17.8547

Rectangle

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



10.0186, 7.5364, 2.1549



6.4543, 7.5364, 1.3082



4.9094, 7.5364, 20.6244



7.9220, 7.5364, 25.4209

Sweetspot

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



10.0188, 7.5368, 2.1550



26.9976, 26.4902, 22.6598



10.6329, 5.9396, 11.0702



6.1834, 6.0000, 4.9362



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.0188, 7.5368, 2.1550



16.4121, 10.9781, 1.6859



13.5516, 14.6024, 3.3326



4.0941, 4.2067, 4.2207



9.2195, 5.8949, 0.6519



43.2837, 26.7308, 2.8783

Inverse Universe

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



8.0246, 9.5342, 20.1562



12.5500, 14.5769, 35.7088



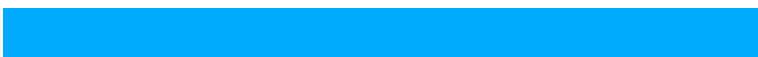
5.1291, 3.7431, 19.1910



4.0032, 4.3047, 5.0631



6.9186, 7.9197, 20.5493



32.2059, 36.1845, 97.7567

Previews

White Background



This preview shows how the XYZ color 10.0186, 7.5364, 2.1549 looks on a white background.

Color Contrast Check

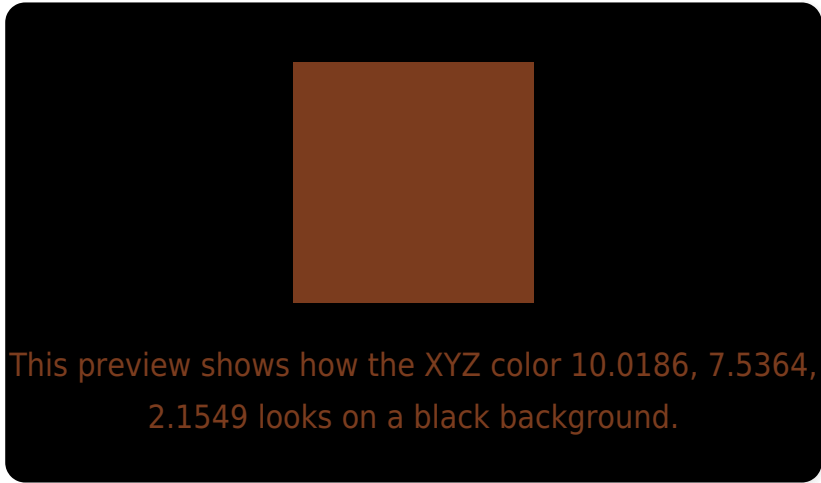
Large Text (above 18pt) WCAG AA ✓ Pass

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

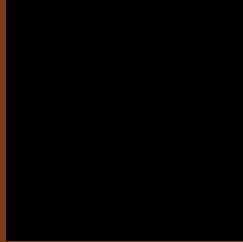
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.0186, 7.5364, 2.1549

Background



This preview shows how black text looks on a background with the XYZ color 10.0186, 7.5364, 2.1549.



This preview shows how white text looks on a background with the XYZ color 10.0186, 7.5364,

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

10.0186, 7.5364, 2.1549

Protanopia

6.9582, 7.5964, 2.6896

Deuteranopia

7.6722, 7.5688, 2.0338



Tritanopia

10.5909, 7.5376, 5.1717

Trichromacy



Original Color

10.0186, 7.5364, 2.1549

Protanomaly

7.7833, 7.3256, 2.4426

Deuteranomaly

8.3894, 7.4612, 2.0349

Tritanomaly

10.3796, 7.5329, 3.8127

Monochromacy



Original Color

10.0186, 7.5364, 2.1549

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

7.3932, 6.9714, 5.0936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0186, 7.5364, 2.1549 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(123, 60, 30)` looks like.

```
.text, #text, p{  
    color:rgb(123, 60, 30)  
}
```

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(123, 60, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 60, 30) }
```

Border

The CSS property to change the border of an element to XYZ 10.0186, 7.5364, 2.1549 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(123, 60, 30) }
```


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

```
.border{ border-color:rgb(123, 60, 30) }
```

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

Here you see how a box with a 4 pixel rgb(123, 60, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 60, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 60, 30);  
box-shadow:4px 4px 4px 4px rgb(123, 60,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0186, 7.5364, 2.1549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 60, 30) }
```

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

```
.background{ background-color: rgb(123, 60,  
30) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor