

Converting Colors

XYZ(11.2109, 15.8082, 7.9780)

Have a look what the booklet for
XYZ(11.2109, 15.8082, 7.9780)
contains.

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Color

**XYZ(11.1890, 15.7976,
7.9284)**

Conversions

Conversions Part 1

Format	Color
Hex	507944
RGB	80, 121, 68
RGB Percent	31%, 47%, 27%
CMY	0.6863, 0.5255, 0.7333
CMYK	0.34, 0.00, 0.44, 0.53
HSL	106°, 28%, 37%
HSV	106°, 44%, 47%
XYZ	11.1890, 15.7976, 7.9284
YIQ	102.6990, -7.4230, -25.1750

Conversions

Conversions Part 2

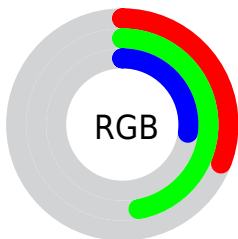
Format	Color
RYB	68, 121, 109
Decimal	5273924
CIELab	46.71, -25.24, 24.60
CIElCh	47, 35.247, 135.738
Yxy	15.7976, 0.3205, 0.4525
Android (android.graphics.Color)	4283464004 (0xFF507944)
YUV	102.6990, -17.1066, -19.9070
Hunter-Lab	39.7462, -19.3061, 15.9954

Details

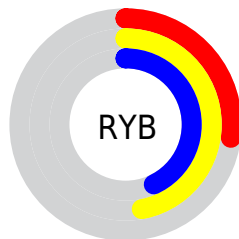
The XYZ color **11.1890, 15.7976, 7.9284** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **11.8259, 8.7665, 19.1589**, and the grayscale version is **12.8581, 13.5277, 14.7317**.

A 20% lighter version of the original color is **27.7070, 36.3818, 22.3917**, and **3.0371, 4.9879, 1.6133** is the 20% darker color. If you saturate the color by 10%, you get **10.1212, 15.2860, 6.1458**, and if you desaturate by 10%, it is **12.4440, 16.3979, 10.1184**.

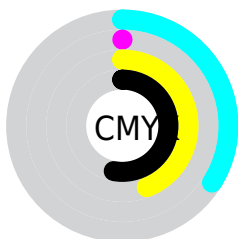
Distribution



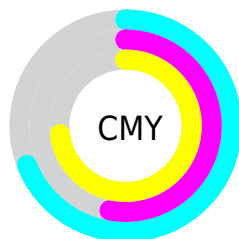
- Red (31%)
- Green (47%)
- Blue (27%)



- Red (27%)
- Yellow (47%)
- Blue (43%)



- Cyan (34%)
- Magenta (0%)
- Yellow (44%)
- Black (53%)



- Cyan (69%)
- Magenta (53%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.1890, 15.7976, 7.9284 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 11.1890, 15.7976, 7.9284 by changing the saturation by 10% instead.

■ 11.1890, 15.7976,
7.9284

■ 11.1890, 15.7976,
7.9284

192.8413,
228.1444, 185.0829

■ 6.2623, 9.3810,
3.9620

■ 27.6390, 36.2465,
22.3618

■ 3.0474, 4.9905,
1.6045

■ 39.8930, 51.0476,
33.6659

■ 1.1789, 2.2417,
0.2941

■ 55.3202, 69.4123,
48.2531

■ 0.0896, 0.7426,
0.0000

■ 74.2860, 91.7251,
66.5418

■ 0.0000, 0.0000,
0.0000

■ 97.1556, 118.3703,
88.9506

124.2944,

149.7323, 115.8980

156.0679,
186.1956, 147.8026

■ 11.1890, 15.7976,
7.9284

■ 11.1890, 15.7976,
7.9284

■ 10.1212, 15.2860,
6.1458

■ 12.4440, 16.3979,
10.1184

■ 9.2302, 14.8567,
4.7445

■ 13.8936, 17.0887,
12.7378

■ 8.5062, 14.5059,
3.6969


■ 15.5463, 17.8744,
15.8082


■ 7.9382, 14.2286,
2.9713


■ 17.4095, 18.7585,
19.3493


■ 7.5122, 14.0184,
2.5253


■ 19.4906, 19.7443,
23.3799

 7.3001, 13.9138,
2.3009

 21.7964, 20.8349,
27.9176

 24.3333, 22.0334,
32.9792

 27.1076, 23.3425,
38.5807

 30.1255, 24.7651,
44.7373

Harmonies

Analogous

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



13.4775, 15.7976, 5.5581



11.1890, 15.7976, 7.9284



10.0113, 15.7976, 13.3804

Triad

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



11.1890, 15.7976, 7.9284



13.6140, 15.7976, 39.1997



21.4084, 15.7976, 13.0294

Complementary

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



11.1890, 15.7976, 7.9284



11.8259, 8.7665, 19.1589

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.



21.4581, 15.7976, 21.6871



11.1890, 15.7976, 7.9284



16.6655, 15.7976, 39.0057

Square

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



11.1890, 15.7976, 7.9284



11.2772, 15.7976, 32.2806



19.6270, 15.7976, 31.8166



19.4994, 15.7976, 7.7470

Rectangle

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



11.1890, 15.7976, 7.9284



9.8960, 15.7976, 18.9383



19.6270, 15.7976, 31.8166



21.6510, 15.7976, 15.5732

Sweetspot

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



11.1894, 15.7983, 7.9287



27.9882, 32.0782, 28.5897



14.3589, 15.3423, 7.6737



6.2680, 7.2722, 6.2899



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



11.1894, 15.7983, 7.9287



18.0324, 27.3280, 10.8573



10.7499, 15.5157, 10.4379



4.0280, 4.4897, 4.2788



7.8140, 14.9055, 2.4652



36.6476, 70.7780, 11.7300

Inverse Universe

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



11.8259, 8.7665, 19.1589



19.3190, 12.9110, 33.8668



12.5998, 9.2584, 14.9968



4.0700, 4.0340, 5.0073



8.5926, 4.0024, 19.7050



40.2261, 18.6993, 93.9590

Previews

White Background



This preview shows how the XYZ color 11.1890, 15.7976, 7.9284 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



This preview shows how the XYZ color 11.1890, 15.7976, 7.9284 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

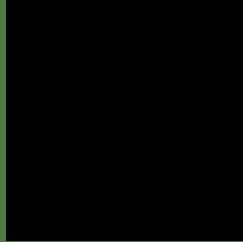
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.1890, 15.7976, 7.9284

Background



This preview shows how black text looks on a background with the XYZ color 11.1890, 15.7976, 7.9284.



This preview shows how white text looks on a background with the XYZ color 11.1890, 15.7976,

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

11.1890, 15.7976, 7.9284

Protanopia

14.3865, 15.5870, 7.1008

Deuteranopia

15.8941, 15.5576, 8.2961



Tritanopia

13.9853, 15.8904, 21.3988

Trichromacy



Original Color

11.1890, 15.7976, 7.9284

Protanomaly

12.9153, 15.4805, 7.3083

Deuteranomaly

13.7612, 15.4012, 8.2087

Tritanomaly

12.6977, 15.7005, 15.4580

Monochromacy



Original Color

11.1890, 15.7976, 7.9284

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.1407, 14.3229, 11.7976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.1890, 15.7976, 7.9284 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(80, 121, 68)` looks like.

```
.text, #text, p{  
    color:rgb(80, 121, 68)  
}
```

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(80, 121, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 121, 68) }
```

Border

The CSS property to change the border of an element to XYZ 11.1890, 15.7976, 7.9284 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(80, 121, 68) }
```


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

```
.border{ border-color:rgb(80, 121, 68) }
```

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

Here you see how a box with a 4 pixel rgb(80, 121, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 121, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 121, 68);  
box-shadow:4px 4px 4px 4px rgb(80, 121,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 11.1890, 15.7976, 7.9284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 121, 68) }
```

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

```
.background{ background-color: rgb(80, 121,  
68) }
```

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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