

Converting Colors

XYZ(11.8530, 12.7847, 19.0419)

Have a look what the booklet for
XYZ(11.8530, 12.7847, 19.0419)
contains.

XYZ(11.8591, 12.7892, 18.9831)	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(11.8591, 12.7892,
18.9831)**

Conversions

Conversions Part 1

Format	Color
Hex	566676
RGB	86, 102, 118
RGB Percent	34%, 40%, 46%
CMY	0.6627, 0.6000, 0.5373
CMYK	0.27, 0.14, 0.00, 0.54
HSL	210°, 16%, 40%
HSV	210°, 27%, 46%
XYZ	11.8591, 12.7892, 18.9831
YIQ	99.0400, -14.6720, 1.5840

Conversions

Conversions Part 2

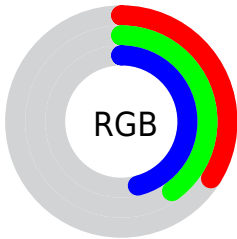
Format	Color
R_{YB}	86, 97, 118
Decimal	5662326
CIE _{Lab}	42.44, -2.07, -10.96
CIE _{LCh}	42, 11.157, 259.328
Yxy	12.7892, 0.2718, 0.2931
Android (android.graphics.Color)	4283852406 (0xFF566676)
YUV	99.0400, 9.3473, -11.4361
Hunter-Lab	35.7620, -3.3908, -6.4388

Details

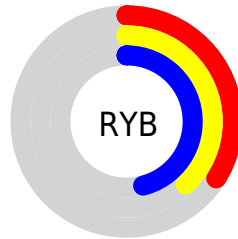
The XYZ color **11.8591, 12.7892, 18.9831** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.9024, 14.0261, 10.7788**, and the grayscale version is **11.8499, 12.4670, 13.5766**.

A 20% lighter version of the original color is **28.8003, 30.9190, 42.4802**, and **3.3084, 3.6059, 6.3160** is the 20% darker color. If you saturate the color by 10%, you get **10.3019, 11.1564, 18.7502**, and if you desaturate by 10%, it is **13.6378, 14.5981, 19.2387**.

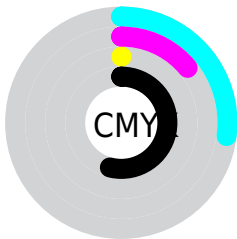
Distribution



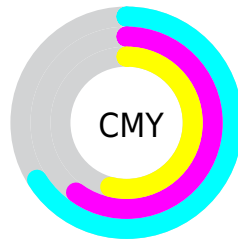
- Red (34%)
- Green (40%)
- Blue (46%)



- Red (34%)
- Yellow (38%)
- Blue (46%)



- Cyan (27%)
- Magenta (14%)
- Yellow (0%)
- Black (54%)



- Cyan (66%)
- Magenta (60%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8591, 12.7892, 18.9831 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 11.8591, 12.7892, 18.9831 by changing the saturation by 10% instead.

■ 11.8591, 12.7892,
18.9831

■ 11.8591, 12.7892,
18.9831

197.2593,
209.5622, 258.7751

■ 6.7193, 7.2835,
11.4814

■ 28.8573, 30.9246,
42.5419

■ 3.3320, 3.6401,
6.2734

■ 41.4465, 44.3230,
59.4360

■ 1.3316, 1.4743,
2.9405

■ 57.2494, 61.1213,
80.2980

■ 0.2067, 0.2706,
1.0644

■ 76.6316, 81.7036,
105.5464

■ 0.0000, 0.0000,
0.0000

■ 99.9583, 106.4545,
135.5998

127.5949,

135.7583, 170.8766

159.9068,
169.9994, 211.7956

■ 11.8591, 12.7892,
18.9831

■ 11.8591, 12.7892,
18.9831

■ 10.3019, 11.1564,
18.7502

■ 13.6378, 14.5981,
19.2387

■ 8.9552, 9.6919,
18.5385

■ 15.6458, 16.5873,
19.5168

■ 7.8092, 8.3895,
18.3475

■ 17.8921, 18.7631,
19.8184

■ 6.8525, 7.2419,
18.1765

■ 20.3845, 21.1306,
20.1440

■ 6.0722, 6.2414,
18.0245

■ 23.1309, 23.6950,
20.4943

■ 5.4541, 5.3789,
17.8906

■ 26.1384, 26.4611,
20.8697

■ 4.9657, 4.6362,
17.7729

■ 29.4142, 29.4337,
21.2708

■ 4.8344, 4.4366,
17.7413

■ 32.9648, 32.6172,
21.6981

■ 36.7969, 36.0159,
22.1522

Harmonies

Analogous

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



11.1333, 12.7892, 17.7362



11.8591, 12.7892, 18.9831



12.6982, 12.7892, 18.7618

Triad

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



11.8591, 12.7892, 18.9831



13.7444, 12.7892, 12.4498



10.9715, 12.7892, 11.1231

Complementary

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



11.8591, 12.7892, 18.9831



13.9024, 14.0261, 10.7788

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.



11.6290, 12.7892, 10.0007



11.8591, 12.7892, 18.9831



13.2390, 12.7892, 10.7035

Square

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



11.8591, 12.7892, 18.9831



13.8129, 12.7892, 14.7995



12.4573, 12.7892, 9.8565



10.6367, 12.7892, 13.0861

Rectangle

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



11.8591, 12.7892, 18.9831



13.2083, 12.7892, 17.8183



12.4573, 12.7892, 9.8565



11.1607, 12.7892, 10.6451

Sweetspot

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



11.8595, 12.7897, 18.9834



27.1087, 28.7719, 34.2618



12.6883, 15.8843, 14.8296



6.1268, 6.5111, 7.8628



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



11.8595, 12.7897, 18.9834



18.9748, 20.5298, 33.0995



10.4785, 10.0277, 18.5231



3.6378, 3.8643, 4.6444



5.2175, 4.7746, 19.1892



24.5685, 21.5537, 93.2257

Inverse Universe

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



13.1976, 11.4667, 14.0887



21.8189, 17.9277, 22.6489



15.5670, 17.3553, 11.3337



3.7532, 3.7286, 4.2272



8.9307, 4.5060, 4.8431



43.0878, 21.7852, 21.3236

Previews

White Background



This preview shows how the XYZ color 11.8591, 12.7892, 18.9831 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 11.8591, 12.7892, 18.9831 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

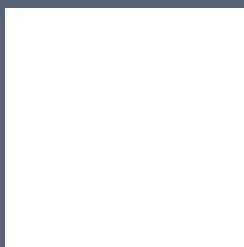
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.8591, 12.7892, 18.9831

Background



This preview shows how black text looks on a background with the XYZ color 11.8591, 12.7892, 18.9831.



This preview shows how white text looks on a background with the XYZ color 11.8591, 12.7892,

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

11.8591, 12.7892, 18.9831

Protanopia

12.5440, 12.7260, 18.3182

Deuteranopia

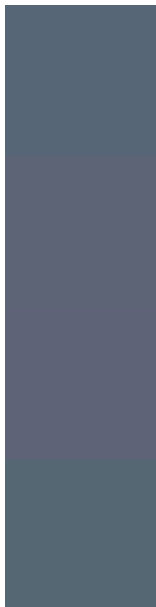
12.9530, 12.7766, 19.2362



Tritanopia

11.4658, 12.7795, 16.9013

Trichromacy



Original Color

11.8591, 12.7892, 18.9831

Protanomaly

12.2823, 12.7259, 18.6386

Deuteranomaly

12.5109, 12.6885, 19.2425

Tritanomaly

11.6338, 12.8467, 17.7861

Monochromacy



Original Color

11.8591, 12.7892, 18.9831

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

11.7748, 12.5346, 15.4345

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8591, 12.7892, 18.9831 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(86, 102, 118) looks like.

```
.text, #text, p{  
    color:rgb(86, 102, 118)  
}
```

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(86, 102, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 102, 118) }
```

Border

The CSS property to change the border of an element to XYZ 11.8591, 12.7892, 18.9831 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(86, 102, 118) }
```


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

```
.border{ border-color:rgb(86, 102, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 102, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 102, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 102, 118);  
box-shadow:4px 4px 4px 4px rgb(86, 102,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8591, 12.7892, 18.9831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 102, 118) }
```

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

```
.background{ background-color: rgb(86, 102,  
118) }
```

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