

Converting Colors

XYZ(14.1987, 18.7766, 7.9978)

Have a look what the booklet for
XYZ(14.1987, 18.7766, 7.9978)
contains.

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Color

**XYZ(14.3131, 18.9186,
8.0515)**

Conversions

Conversions Part 1

Format	Color
Hex	668142
RGB	102, 129, 66
RGB Percent	40%, 51%, 26%
CMY	0.6000, 0.4941, 0.7412
CMYK	0.21, 0.00, 0.49, 0.49
HSL	86°, 32%, 38%
HSV	86°, 49%, 51%
XYZ	14.3131, 18.9186, 8.0515
YIQ	113.7450, 4.1310, -25.3170

Conversions

Conversions Part 2

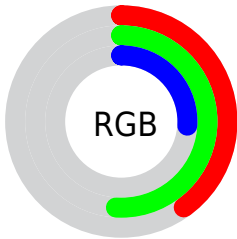
Format	Color
RYB	66, 129, 93
Decimal	6717762
CIELab	50.59, -21.02, 30.87
CIELCh	51, 37.345, 124.256
Yxy	18.9186, 0.3467, 0.4583
Android (android.graphics.Color)	4284907842 (0xFF668142)
YUV	113.7450, -23.5383, -10.3004
Hunter-Lab	43.4955, -17.3780, 19.4716

Details

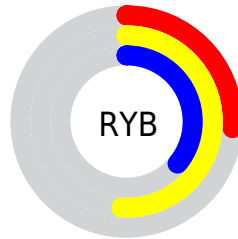
The XYZ color **14.3131, 18.9186, 8.0515** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **10.4256, 7.8090, 21.7277**, and the grayscale version is **15.9856, 16.8181, 18.3149**.

A 20% lighter version of the original color is **33.1489, 41.5637, 22.4951**, and **4.4544, 6.5412, 1.6439** is the 20% darker color. If you saturate the color by 10%, you get **13.3692, 18.4717, 6.2411**, and if you desaturate by 10%, it is **15.3856, 19.4231, 10.3165**.

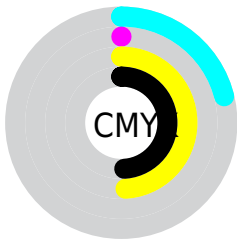
Distribution



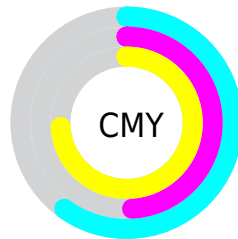
- Red (40%)
- Green (51%)
- Blue (26%)



- Red (26%)
- Yellow (51%)
- Blue (36%)



- Cyan (21%)
- Magenta (0%)
- Yellow (49%)
- Black (49%)



- Cyan (60%)
- Magenta (49%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.3131, 18.9186, 8.0515 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 14.3131, 18.9186, 8.0515 by changing the saturation by 10% instead.

■ 14.3131, 18.9186,
8.0515

■ 14.3131, 18.9186,
8.0515

212.6419,
245.9990, 186.0851

■ 8.4219, 11.6115,
4.0397

■ 33.2252, 41.5965,
22.6072

■ 4.4201, 6.4797,
1.6471

■ 46.9768, 57.7361,
33.9881

■ 1.9425, 3.1389,
0.3241

■ 64.0793, 77.5886,
48.6625

■ 0.6013, 1.2047,
0.0000

■ 84.8980, 101.5384,
67.0489

■ 0.0000, 0.0655,
0.0000

■ 109.7982,
129.9700, 89.5658

■ 0.0000, 0.0000,
0.0000

139.1454,

163.2677, 116.6317

173.3048,
201.8159, 148.6653

■ 14.3131, 18.9186,
8.0515

■ 14.3131, 18.9186,
8.0515

■ 13.3692, 18.4717,
6.2411

■ 15.3856, 19.4231,
10.3165

■ 12.5457, 18.0770,
4.8534

■ 16.5913, 19.9851,
13.0630

■ 11.8359, 17.7325,
3.8541


■ 17.9364, 20.6079,
16.3169


■ 11.2311, 17.4345,
3.2031


■ 19.4261, 21.2936,
20.1022


■ 10.7103, 17.1745,
2.7936


■ 21.0654, 22.0444,
24.4413

 10.6525, 17.1457,
2.7480

 22.8590, 22.8621,
29.3551

 24.8114, 23.7487,
34.8637

 26.9268, 24.7059,
40.9861

 29.2094, 25.7355,
47.7404

Harmonies

Analogous

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



17.4657, 18.9186, 6.3529



14.3131, 18.9186, 8.0515



12.3715, 18.9186, 13.0438

Triad

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



14.3131, 18.9186, 8.0515



15.1021, 18.9186, 44.5276



25.9283, 18.9186, 19.1431

Complementary

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



14.3131, 18.9186, 8.0515



10.4256, 7.8090, 21.7277

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.



25.0734, 18.9186, 30.6215



14.3131, 18.9186, 8.0515



18.5075, 18.9186, 47.8498

Square

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



14.3131, 18.9186, 8.0515



12.7819, 18.9186, 34.1118



22.2287, 18.9186, 42.0799



24.4289, 18.9186, 11.2297

Rectangle

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



14.3131, 18.9186, 8.0515



11.8632, 18.9186, 18.6522



22.2287, 18.9186, 42.0799



25.9080, 18.9186, 22.6771

Sweetspot

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



14.3136, 18.9194, 8.0519



33.0186, 37.3175, 31.4712



13.8861, 12.7588, 6.8853



7.3702, 8.3990, 6.8634



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.



14.3136, 18.9194, 8.0519



23.6984, 32.9618, 10.7439



11.4511, 17.4438, 7.9179



4.4928, 4.9305, 4.6350



10.3906, 16.7189, 2.6794



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.4256, 7.8090, 21.7277



15.8507, 10.5111, 38.3859



14.1874, 9.7484, 21.9037



4.2700, 4.2948, 5.4172



5.4197, 2.3477, 20.4174



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 14.3131, 18.9186, 8.0515 looks on a white 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

Black Background



This preview shows how the XYZ color 14.3131, 18.9186, 8.0515 looks on a black 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

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

XYZ 14.3131, 18.9186, 8.0515

Background



This preview shows how black text looks on a background with the XYZ color 14.3131, 18.9186, 8.0515.



This preview shows how white text looks on a background with the XYZ color 14.3131, 18.9186,

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

14.3131, 18.9186, 8.0515

Protanopia

17.1294, 18.6974, 7.4088

Deuteranopia

19.0903, 18.8147, 8.4198



Tritanopia

17.6118, 18.9373, 24.1997

Trichromacy



Original Color

14.3131, 18.9186, 8.0515

Protanomaly

15.8935, 18.6010, 7.6032

Deuteranomaly

16.9966, 18.6084, 8.3262

Tritanomaly

16.1718, 18.9169, 16.7089

Monochromacy



Original Color

14.3131, 18.9186, 8.0515

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.1849, 17.3717, 13.8620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.3131, 18.9186, 8.0515 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(102, 129, 66)` looks like.

```
.text, #text, p{  
    color:rgb(102, 129, 66)  
}
```

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(102, 129, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 129, 66) }
```

Border

The CSS property to change the border of an element to XYZ 14.3131, 18.9186, 8.0515 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(102, 129, 66) }
```


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

```
.border{ border-color:rgb(102, 129, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 129, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 129, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 129, 66);  
box-shadow:4px 4px 4px 4px rgb(102, 129,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 14.3131, 18.9186, 8.0515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 129, 66) }
```

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

```
.background{ background-color: rgb(102,  
129, 66) }
```

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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