

Converting Colors

XYZ(13.9383, 18.5804, 16.3835)

Have a look what the booklet for
XYZ(13.9383, 18.5804, 16.3835)
contains.

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Color

**XYZ(13.9315, 18.5350,
16.4790)**

Conversions

Conversions Part 1

Format	Color
Hex	52816A
RGB	82, 129, 106
RGB Percent	32%, 51%, 42%
CMY	0.6784, 0.4941, 0.5843
CMYK	0.36, 0.00, 0.18, 0.49
HSL	151°, 22%, 41%
HSV	151°, 36%, 51%
XYZ	13.9315, 18.5350, 16.4790
YIQ	112.3250, -20.6290, -17.1170

Conversions

Conversions Part 2

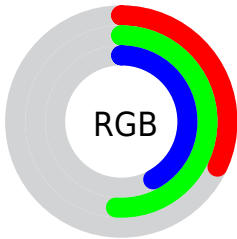
Format	Color
RYB	82, 113, 129
Decimal	5407082
CIELab	50.14, -21.45, 7.45
CIElCh	50, 22.710, 160.851
Yxy	18.5350, 0.2846, 0.3787
Android (android.graphics.Color)	4283597162 (0xFF52816A)
YUV	112.3250, -3.1182, -26.5950
Hunter-Lab	43.0523, -17.5798, 7.4423

Details

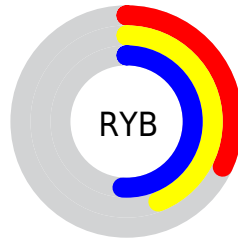
The XYZ color **13.9315, 18.5350, 16.4790** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.6211, 11.7222, 14.8575**, and the grayscale version is **15.5103, 16.3180, 17.7703**.

A 20% lighter version of the original color is **32.4866, 40.8768, 38.0761**, and **4.2126, 6.2311, 5.1184** is the 20% darker color. If you saturate the color by 10%, you get **12.5972, 17.8842, 14.7656**, and if you desaturate by 10%, it is **15.5019, 19.3057, 18.3305**.

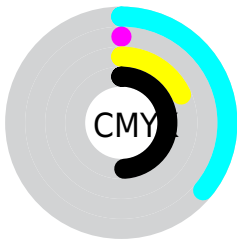
Distribution



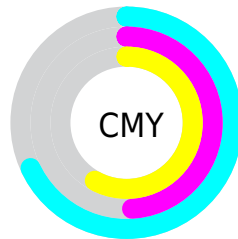
- Red (32%)
- Green (51%)
- Blue (42%)



- Red (32%)
- Yellow (44%)
- Blue (51%)



- Cyan (36%)
- Magenta (0%)
- Yellow (18%)
- Black (49%)



- Cyan (68%)
- Magenta (49%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9315, 18.5350, 16.4790 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 13.9315, 18.5350, 16.4790 by changing the saturation by 10% instead.

■ 13.9315, 18.5350,
16.4790

■ 13.9315, 18.5350,
16.4790

210.3234,
243.8695, 244.0933

■ 8.1544, 11.3348,
9.7057

■ 32.5547, 40.9469,
38.2061

■ 4.2466, 6.2925,
5.1012

■ 46.1316, 56.9273,
53.9970

■ 1.8425, 3.0237,
2.2470

■ 63.0390, 76.6032,
73.6308

■ 0.5431, 1.1441,
0.7013

■ 83.6425, 100.3591,
97.5262

■ 0.0000, 0.0154,
0.0000

■ 108.3073,
128.5792, 126.1016

■ 0.0000, 0.0000,
0.0000

137.3989,

161.6481, 159.7755

171.2824,
199.9501, 198.9666

■ 13.9315, 18.5350,
16.4790

■ 13.9315, 18.5350,
16.4790

■ 12.5972, 17.8842,
14.7656

■ 15.5019, 19.3057,
18.3305

■ 11.4852, 17.3447,
13.1857

■ 17.3184, 20.2000,
20.3219

■ 10.5823, 16.9105,
11.7363

■ 19.3920, 21.2239,
22.4567

■ 9.8736, 16.5736,
10.4138

■ 21.7329, 22.3826,
24.7379

■ 9.3416, 16.3253,
9.2144

■ 24.3505, 23.6809,
27.1682

■ 8.9553, 16.1497,
8.1336

■ 27.2537, 25.1234,
29.7505

■ 8.8302, 16.0930,
7.7751

■ 30.4512, 26.7145,
32.4874

■ 33.9512, 28.4584,
35.3815

■ 37.7615, 30.3590,
38.4355

Harmonies

Analogous

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



15.0041, 18.5350, 12.3658



13.9315, 18.5350, 16.4790



13.7971, 18.5350, 22.5376

Triad

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



13.9315, 18.5350, 16.4790



18.4215, 18.5350, 34.4909



20.9974, 18.5350, 13.2773

Complementary

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



13.9315, 18.5350, 16.4790



14.6211, 11.7222, 14.8575

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.



22.0838, 18.5350, 17.9955



13.9315, 18.5350, 16.4790



20.5168, 18.5350, 30.7450

Square

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



13.9315, 18.5350, 16.4790



16.2717, 18.5350, 33.8494



21.9010, 18.5350, 24.4007



19.0344, 18.5350, 10.7995

Rectangle

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



13.9315, 18.5350, 16.4790



14.2440, 18.5350, 27.0178



21.9010, 18.5350, 24.4007



21.4843, 18.5350, 14.6081

Sweetspot

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



13.9320, 18.5358, 16.4794



32.8755, 37.0916, 38.3368



15.2585, 19.3442, 10.9126



7.3495, 8.3502, 8.5827



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.



13.9320, 18.5358, 16.4794



22.8686, 32.1766, 26.8567



15.2931, 19.0802, 23.6466



4.3605, 4.8525, 5.0696



8.6112, 15.6911, 7.5915



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.6211, 11.7222, 14.8575



24.2993, 18.0322, 23.4911



13.5941, 11.3114, 9.4498



4.4086, 4.3766, 4.9563



9.7075, 4.9027, 5.0494



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.9315, 18.5350, 16.4790 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 13.9315, 18.5350, 16.4790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

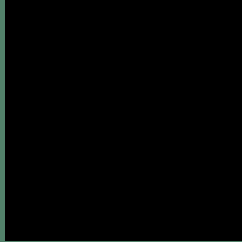
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.9315, 18.5350, 16.4790

Background



This preview shows how black text looks on a background with the XYZ color 13.9315, 18.5350, 16.4790.



This preview shows how white text looks on a background with the XYZ color 13.9315, 18.5350,

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

13.9315, 18.5350, 16.4790

Protanopia

17.4032, 18.4932, 14.9642

Deuteranopia

18.7226, 18.4339, 17.0393



Tritanopia

15.7313, 18.4912, 25.6617

Trichromacy



Original Color

13.9315, 18.5350, 16.4790

Protanomaly

15.8378, 18.3964, 15.5481

Deuteranomaly

16.4935, 18.1605, 16.8234

Tritanomaly

14.9367, 18.3554, 21.8245

Monochromacy



Original Color

13.9315, 18.5350, 16.4790

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.6597, 16.8494, 17.2315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9315, 18.5350, 16.4790 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(82, 129, 106) looks like.

```
.text, #text, p{  
    color:rgb(82, 129, 106)  
}
```

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(82, 129, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 129, 106) }
```

Border

The CSS property to change the border of an element to XYZ 13.9315, 18.5350, 16.4790 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(82, 129, 106) }
```


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

```
.border{ border-color:rgb(82, 129, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 129, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(82, 129, 106); -webkit-box-shadow:4px 4px 4px 4px rgb(82, 129, 106); box-shadow:4px 4px 4px 4px rgb(82, 129, 106) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9315, 18.5350, 16.4790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 129, 106) }
```

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

```
.background{ background-color: rgb(82, 129,  
106) }
```

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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