

Converting Colors

XYZ(13.5235, 18.0539, 15.4791)

Have a look what the booklet for
XYZ(13.5235, 18.0539, 15.4791)
contains.

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Color

**XYZ(13.6470, 18.2115,
15.6279)**

Conversions

Conversions Part 1

Format	Color
Hex	528067
RGB	82, 128, 103
RGB Percent	32%, 50%, 40%
CMY	0.6784, 0.4980, 0.5961
CMYK	0.36, 0.00, 0.20, 0.50
HSL	147°, 22%, 41%
HSV	147°, 36%, 50%
XYZ	13.6470, 18.2115, 15.6279
YIQ	111.3960, -19.3910, -17.5270

Conversions

Conversions Part 2

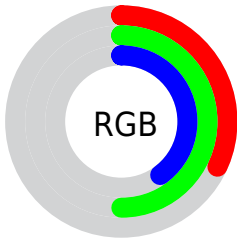
Format	Color
R_{YB}	82, 114, 128
Decimal	5406823
CIE _{Lab}	49.75, -21.59, 8.65
CIE _{LCh}	50, 23.260, 158.170
Yxy	18.2115, 0.2874, 0.3835
Android (android.graphics.Color)	4283596903 (0xFF528067)
YUV	111.3960, -4.1392, -25.7803
Hunter-Lab	42.6749, -17.5987, 8.1600

Details

The XYZ color **13.6470, 18.2115, 15.6279** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.5738, 11.6856, 15.3979**, and the grayscale version is **15.2406, 16.0343, 17.4614**.

A 20% lighter version of the original color is **32.0295, 40.3674, 36.6754**, and **4.0979, 6.0744, 4.6979** is the 20% darker color. If you saturate the color by 10%, you get **12.3014, 17.5570, 13.8176**, and if you desaturate by 10%, it is **15.2304, 18.9862, 17.6018**.

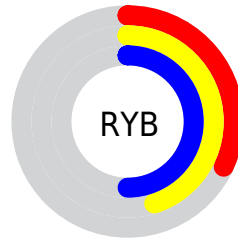
Distribution



Red (32%)

Green (50%)

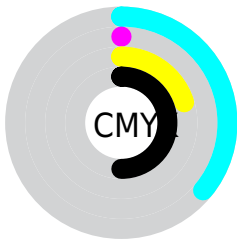
Blue (40%)



Red (32%)

Yellow (45%)

Blue (50%)

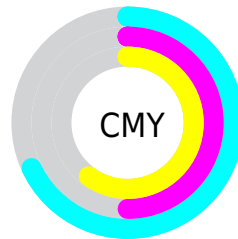


Cyan (36%)

Magenta (0%)

Yellow (20%)

Black (50%)



Cyan (68%)

Magenta (50%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6470, 18.2115, 15.6279 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 13.6470, 18.2115, 15.6279 by changing the saturation by 10% instead.

■ 13.6470, 18.2115,
15.6279

■ 13.6470, 18.2115,
15.6279

208.5785,
242.0605, 238.9062

■ 7.9556, 11.1019,
9.1097

■ 32.0529, 40.3974,
36.7088

■ 4.1181, 6.1354,
4.7150

■ 45.4981, 56.2425,
52.1085

■ 1.7692, 2.9276,
2.0253

■ 62.2586, 75.7683,
71.3059

■ 0.4990, 1.0941,
0.5707

■ 82.6998, 99.3591,
94.7195

■ 0.0000, 0.0000,
0.0000

■ 107.1870,
127.3993, 122.7678

136.0857,

160.2733, 155.8693

169.7610,
198.3656, 194.4426

■ 13.6470, 18.2115,
15.6279

■ 13.6470, 18.2115,
15.6279

■ 12.3014, 17.5570,
13.8176

■ 15.2304, 18.9862,
17.6018

■ 11.1797, 17.0142,
12.1654

■ 17.0613, 19.8846,
19.7422

■ 10.2691, 16.5769,
10.6672


■ 19.1510, 20.9129,
22.0534


■ 9.5546, 16.2377,
9.3185


■ 21.5094, 22.0761,
24.5392


■ 9.0190, 15.9877,
8.1143

■ 24.1458, 23.3790,
27.2032


 8.6340, 15.8124,
7.0488

 27.0693, 24.8262,
30.0490

 8.4944, 15.7490,
6.6535

 30.2885, 26.4220,
33.0800

 33.8114, 28.1705,
36.2996

 37.6461, 30.0758,
39.7111

Harmonies

Analogous

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



14.8070, 18.2115, 11.6980



13.6470, 18.2115, 15.6279



13.4243, 18.2115, 21.6147

Triad

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



13.6470, 18.2115, 15.6279



17.9222, 18.2115, 34.5309



20.8810, 18.2115, 13.2023

Complementary

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



13.6470, 18.2115, 15.6279



14.5738, 11.6856, 15.3979

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.



21.8801, 18.2115, 18.1449



13.6470, 18.2115, 15.6279



20.0791, 18.2115, 31.0563

Square

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



13.6470, 18.2115, 15.6279



15.7725, 18.2115, 33.4547



21.5748, 18.2115, 24.7232



18.9432, 18.2115, 10.5199

Rectangle

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



13.6470, 18.2115, 15.6279



13.8177, 18.2115, 26.1674



21.5748, 18.2115, 24.7232



21.3449, 18.2115, 14.6073

Sweetspot

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



13.6475, 18.2123, 15.6283



31.7037, 35.8275, 36.6264



15.3423, 19.1928, 10.8787



7.3281, 8.3417, 8.4701



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.



13.6475, 18.2123, 15.6283



22.0877, 31.1193, 24.9261



14.9460, 18.7316, 22.4661



4.3513, 4.8488, 5.0212



8.4231, 15.6158, 6.6007



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.5738, 11.6856, 15.3979



23.9672, 17.8699, 24.4535



13.5319, 11.2689, 9.9112



4.4179, 4.3803, 5.0049



9.9104, 4.9838, 6.1179



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.6470, 18.2115, 15.6279 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 13.6470, 18.2115, 15.6279 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 13.6470, 18.2115, 15.6279

Background



This preview shows how black text looks on a background with the XYZ color 13.6470, 18.2115, 15.6279.



This preview shows how white text looks on a background with the XYZ color 13.6470, 18.2115,

15.6279.

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

13.6470, 18.2115, 15.6279

Protanopia

16.9952, 18.1238, 14.1578

Deuteranopia

18.4503, 18.1436, 16.1653



Tritanopia

15.6306, 18.2604, 25.2550

Trichromacy



Original Color

13.6470, 18.2115, 15.6279

Protanomaly

15.5665, 18.0904, 14.7279

Deuteranomaly

16.2169, 17.8584, 15.9569

Tritanomaly

14.7465, 18.0757, 21.4506

Monochromacy



Original Color

13.6470, 18.2115, 15.6279

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.3236, 16.5146, 16.6201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6470, 18.2115, 15.6279 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, 128, 103)` looks like.

```
.text, #text, p{  
    color:rgb(82, 128, 103)  
}
```

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, 128, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 128, 103) }
```

Border

The CSS property to change the border of an element to XYZ 13.6470, 18.2115, 15.6279 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, 128, 103) }
```


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

```
.border{ border-color:rgb(82, 128, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 128, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 128, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 128, 103);  
box-shadow:4px 4px 4px 4px rgb(82, 128,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6470, 18.2115, 15.6279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 128, 103) }
```

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

```
.background{ background-color: rgb(82, 128,  
103) }
```

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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