

Converting Colors

XYZ(13.3392, 18.0331, 12.1206)

Have a look what the booklet for
XYZ(13.3392, 18.0331, 12.1206)
contains.

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Color

**XYZ(13.4528, 18.1858,
12.2524)**

Conversions

Conversions Part 1

Format	Color
Hex	578059
RGB	87, 128, 89
RGB Percent	34%, 50%, 35%
CMY	0.6588, 0.4980, 0.6510
CMYK	0.32, 0.00, 0.30, 0.50
HSL	123°, 19%, 42%
HSV	123°, 32%, 50%
XYZ	13.4528, 18.1858, 12.2524
YIQ	111.2950, -11.9170, -20.8210

Conversions

Conversions Part 2

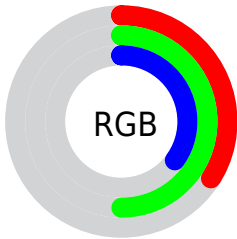
Format	Color
RYB	87, 126, 128
Decimal	5734489
CIELab	49.72, -22.71, 16.75
CIElCh	50, 28.219, 143.577
Yxy	18.1858, 0.3065, 0.4143
Android (android.graphics.Color)	4283924569 (0xFF578059)
YUV	111.2950, -10.9914, -21.3067
Hunter-Lab	42.6448, -18.3185, 12.8166

Details

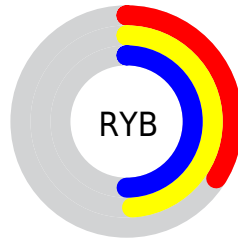
The XYZ color **13.4528, 18.1858, 12.2524** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.0767, 12.9123, 21.3842**, and the grayscale version is **15.2290, 16.0220, 17.4480**.

A 20% lighter version of the original color is **31.6653, 40.3151, 30.5388**, and **3.9971, 6.0545, 3.2435** is the 20% darker color. If you saturate the color by 10%, you get **11.8924, 17.4362, 9.7277**, and if you desaturate by 10%, it is **15.3107, 19.0801, 15.2333**.

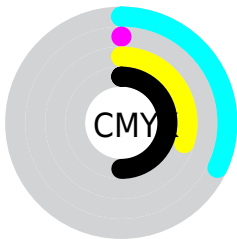
Distribution



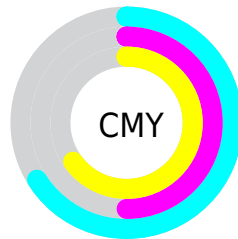
- Red (34%)
- Green (50%)
- Blue (35%)



- Red (34%)
- Yellow (49%)
- Blue (50%)



- Cyan (32%)
- Magenta (0%)
- Yellow (30%)
- Black (50%)



- Cyan (66%)
- Magenta (50%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4528, 18.1858, 12.2524 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 13.4528, 18.1858, 12.2524 by changing the saturation by 10% instead.

■ 13.4528, 18.1858,
12.2524

■ 13.4528, 18.1858,
12.2524

207.3790,
241.9162, 217.1060

■ 7.8202, 11.0835,
6.7912

■ 31.7093, 40.3537,
30.6252

■ 4.0310, 6.1230,
3.2554

■ 45.0640, 56.1880,
44.3739

■ 1.7197, 2.9200,
1.2265

■ 61.7234, 75.7018,
61.7222

■ 0.4685, 1.0901,
0.0004

■ 82.0529, 99.2794,
83.0886

■ 0.0000, 0.0000,
0.0000

■ 106.4179,
127.3053, 108.8916

135.1837,

160.1637, 139.5498

168.7156,
198.2393, 175.4818

■ 13.4528, 18.1858,
12.2524

■ 13.4528, 18.1858,
12.2524

■ 11.8924, 17.4362,
9.7277

■ 15.3107, 19.0801,
15.2333

■ 10.6127, 16.8215,
7.6356

■ 17.4789, 20.1235,
18.6901

■ 9.5975, 16.3343,
5.9521

■ 19.9712, 21.3235,
22.6427

■ 8.8282, 15.9657,
4.6506

■ 22.8002, 22.6859,
27.1096

■ 8.2839, 15.7056,
3.7012

■ 25.9777, 24.2166,
32.1084

■ 7.9403, 15.5421,
3.0696

■ 29.5150, 25.9211,
37.6558

■ 7.7537, 15.4527,
2.7534

■ 33.4230, 27.8045,
43.7677

■ 37.7120, 29.8719,
50.4595

■ 42.3919, 32.1280,
57.7458

Harmonies

Analogous

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



15.3001, 18.1858, 9.1018



13.4528, 18.1858, 12.2524



12.6433, 18.1858, 18.1921

Triad

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



13.4528, 18.1858, 12.2524



16.7137, 18.1858, 38.4404



22.4648, 18.1858, 14.4538

Complementary

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



13.4528, 18.1858, 12.2524



16.0767, 12.9123, 21.3842

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.



22.9431, 18.1858, 21.5026



13.4528, 18.1858, 12.2524



19.4346, 18.1858, 36.6903

Square

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



13.4528, 18.1858, 12.2524



14.3959, 18.1858, 34.2500



21.7837, 18.1858, 29.9476



20.5370, 18.1858, 10.1234

Rectangle

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



13.4528, 18.1858, 12.2524



12.7344, 18.1858, 23.4812



21.7837, 18.1858, 29.9476



22.8082, 18.1858, 16.5273

Sweetspot

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



13.4533, 18.1866, 12.2528



31.5209, 35.7892, 34.0940



18.1381, 20.6113, 12.0393



7.2645, 8.3237, 7.7990



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.



13.4533, 18.1866, 12.2528



21.7505, 31.0886, 18.4460



14.4033, 18.5666, 17.2554



4.2839, 4.8219, 4.6662



7.6882, 15.3219, 2.7309



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.0767, 12.9123, 21.3842



27.0823, 20.3666, 37.0023



14.9193, 12.4493, 15.2891



4.4894, 4.4089, 5.3816



12.2953, 5.9378, 18.6768



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.4528, 18.1858, 12.2524 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 13.4528, 18.1858, 12.2524 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 13.4528, 18.1858, 12.2524

Background



This preview shows how black text looks on a background with the XYZ color 13.4528, 18.1858, 12.2524.



This preview shows how white text looks on a background with the XYZ color 13.4528, 18.1858,

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

13.4528, 18.1858, 12.2524

Protanopia

16.8311, 18.1090, 10.9958

Deuteranopia

18.3181, 17.9862, 12.6314



Tritanopia

15.8437, 18.0179, 24.4725

Trichromacy



Original Color

13.4528, 18.1858, 12.2524

Protanomaly

15.3213, 18.0357, 11.4778

Deuteranomaly

15.9745, 17.6341, 12.4593

Tritanomaly

14.7737, 17.9516, 19.2093

Monochromacy



Original Color

13.4528, 18.1858, 12.2524

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.2890, 16.5266, 15.2688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4528, 18.1858, 12.2524 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(87, 128, 89)` looks like.

```
.text, #text, p{  
    color:rgb(87, 128, 89)  
}
```

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(87, 128, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 128, 89) }
```

Border

The CSS property to change the border of an element to XYZ 13.4528, 18.1858, 12.2524 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(87, 128, 89) }
```


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

```
.border{ border-color:rgb(87, 128, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 128, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 128, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 128, 89);  
box-shadow:4px 4px 4px 4px rgb(87, 128,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4528, 18.1858, 12.2524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 128, 89) }
```

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

```
.background{ background-color: rgb(87, 128,  
89) }
```

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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