

Converting Colors

XYZ(12.8864, 18.8342, 14.7606)

Have a look what the booklet for
XYZ(12.8864, 18.8342, 14.7606)
contains.

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Color

**XYZ(12.8864, 18.8342,
14.7606)**

Conversions

Conversions Part 1

Format	Color
Hex	428563
RGB	66, 133, 99
RGB Percent	26%, 52%, 39%
CMY	0.7412, 0.4784, 0.6118
CMYK	0.50, 0.00, 0.26, 0.48
HSL	150°, 34%, 39%
HSV	150°, 50%, 52%
XYZ	12.8864, 18.8342, 14.7606
YIQ	109.0910, -29.0180, -24.7780

Conversions

Conversions Part 2

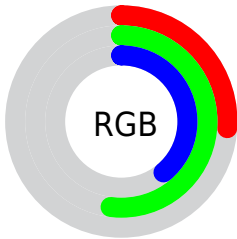
Format	Color
RYB	66, 111, 133
Decimal	4359523
CIELab	50.49, -29.74, 11.90
CIElCh	50, 32.036, 158.192
Yxy	18.8342, 0.2772, 0.4052
Android (android.graphics.Color)	4282549603 (0xFF428563)
YUV	109.0910, -4.9749, -37.7908
Hunter-Lab	43.3984, -22.9447, 10.2132

Details

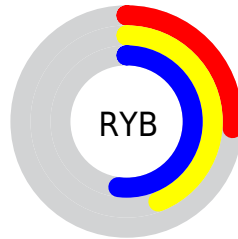
The XYZ color **12.8864, 18.8342, 14.7606** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.9219, 9.8034, 13.2155**, and the grayscale version is **14.5816, 15.3410, 16.7063**.

A 20% lighter version of the original color is **30.7466, 41.5942, 35.2621**, and **3.7882, 6.4732, 4.2986** is the 20% darker color. If you saturate the color by 10%, you get **11.7832, 18.3017, 13.0946**, and if you desaturate by 10%, it is **14.2260, 19.4864, 16.5793**.

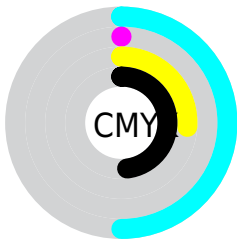
Distribution



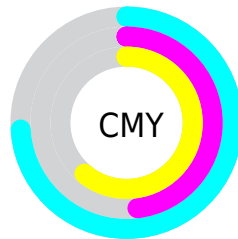
- Red (26%)
- Green (52%)
- Blue (39%)



- Red (26%)
- Yellow (44%)
- Blue (52%)



- Cyan (50%)
- Magenta (0%)
- Yellow (26%)
- Black (48%)



- Cyan (74%)
- Magenta (48%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8864, 18.8342, 14.7606 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 12.8864, 18.8342, 14.7606 by changing the saturation by 10% instead.

■ 12.8864, 18.8342,
14.7606

■ 12.8864, 18.8342,
14.7606

203.8407,
245.5319, 233.5032

■ 7.4268, 11.5505,
8.5068

■ 30.7026, 41.4537,
35.1690

■ 3.7791, 6.4384,
4.3285

■ 43.7899, 57.5584,
50.1607

■ 1.5780, 3.1135,
1.8072

■ 60.1506, 77.3722,
68.9020

■ 0.3780, 1.1912,
0.4327

■ 80.1499, 101.2795,
91.8116

■ 0.0000, 0.0545,
0.0000

■ 104.1532,
129.6648, 119.3080

■ 0.0000, 0.0000,
0.0000

132.5258,

162.9123, 151.8097

165.6332,
201.4066, 189.7353

■ 12.8864, 18.8342,
14.7606

■ 12.8864, 18.8342,
14.7606

■ 11.7832, 18.3017,
13.0946

■ 14.2260, 19.4864,
16.5793

■ 10.8996, 17.8789,
11.5759

■ 15.8144, 20.2632,
18.5534

■ 10.2188, 17.5577,
10.2005

■ 17.6648, 21.1719,
20.6870

■ 9.7208, 17.3278,
8.9638

■ 19.7892, 22.2184,
22.9839

■ 9.3568, 17.1634,
7.8983

■ 22.1986, 23.4084,
25.4476

■ 24.9035, 24.7474,
28.0815

■ 27.9139, 26.2403,
30.8888

■ 31.2392, 27.8919,
33.8728

■ 34.8885, 29.7070,
37.0367

Harmonies

Analogous

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



14.4403, 18.8342, 9.7457



12.8864, 18.8342, 14.7606



12.5928, 18.8342, 23.0558

Triad

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



12.8864, 18.8342, 14.7606



18.7704, 18.8342, 42.6643



23.0459, 18.8342, 11.6083

Complementary

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



12.8864, 18.8342, 14.7606



13.9219, 9.8034, 13.2155

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.



24.5246, 18.8342, 18.1538



12.8864, 18.8342, 14.7606



21.8754, 18.8342, 37.2039

Square

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



12.8864, 18.8342, 14.7606



15.7626, 18.8342, 40.9681



24.0731, 18.8342, 27.5799



20.2253, 18.8342, 8.3287

Rectangle

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



12.8864, 18.8342, 14.7606



13.1147, 18.8342, 29.7487



24.0731, 18.8342, 27.5799



23.7305, 18.8342, 13.4103

Sweetspot

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



12.8869, 18.8350, 14.7610



33.4858, 38.8250, 39.0790



14.6955, 19.9139, 8.2236



7.3927, 8.6724, 8.6396



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.8869, 18.8350, 14.7610



20.9272, 32.6900, 23.1687



14.7918, 19.5969, 24.7919



4.7048, 5.2402, 5.4567



8.9162, 16.3494, 7.5444



0.0346, 0.0581, 0.0455

Inverse Universe

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



13.9219, 9.8034, 13.2155



22.9951, 14.6396, 20.0771



12.6382, 9.2899, 6.4557



4.7638, 4.7252, 5.3687



10.1968, 5.1431, 5.6089



0.0390, 0.0193, 0.0388

Previews

White Background



This preview shows how the XYZ color 12.8864, 18.8342, 14.7606 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 12.8864, 18.8342, 14.7606 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 12.8864, 18.8342, 14.7606

Background



This preview shows how black text looks on a background with the XYZ color 12.8864, 18.8342, 14.7606.

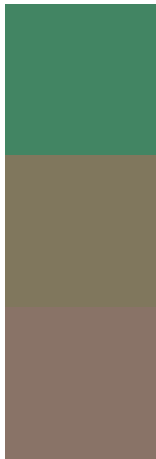


This preview shows how white text looks on a background with the XYZ color 12.8864, 18.8342,

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

12.8864, 18.8342, 14.7606

Protanopia

17.4747, 18.5732, 13.0199

Deuteranopia

18.8954, 18.5591, 15.4183



Tritanopia

15.3672, 18.8511, 26.8734

Trichromacy



Original Color

12.8864, 18.8342, 14.7606

Protanomaly

15.0989, 18.2448, 13.5523

Deuteranomaly

15.9134, 18.2579, 15.2558

Tritanomaly

14.3684, 18.8370, 21.9474

Monochromacy



Original Color

12.8864, 18.8342, 14.7606

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.5424, 16.3039, 15.7978

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8864, 18.8342, 14.7606 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(66, 133, 99)` looks like.

```
.text, #text, p{  
    color:rgb(66, 133, 99)  
}
```

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(66, 133, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 133, 99) }
```

Border

The CSS property to change the border of an element to XYZ 12.8864, 18.8342, 14.7606 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(66, 133, 99) }
```


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

```
.border{ border-color:rgb(66, 133, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 133, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 133, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 133, 99);  
box-shadow:4px 4px 4px 4px rgb(66, 133,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8864, 18.8342, 14.7606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 133, 99) }
```

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

```
.background{ background-color: rgb(66, 133,  
99) }
```

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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