

Converting Colors

XYZ(12.7559, 18.1800, 14.4903)

Have a look what the booklet for
XYZ(12.7559, 18.1800, 14.4903)
contains.

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Color

**XYZ(12.7130, 18.1492,
14.3884)**

Conversions

Conversions Part 1

Format	Color
Hex	468262
RGB	70, 130, 98
RGB Percent	27%, 51%, 38%
CMY	0.7255, 0.4902, 0.6157
CMYK	0.46, 0.00, 0.25, 0.49
HSL	148°, 30%, 39%
HSV	148°, 46%, 51%
XYZ	12.7130, 18.1492, 14.3884
YIQ	108.4120, -25.4880, -22.6720

Conversions

Conversions Part 2

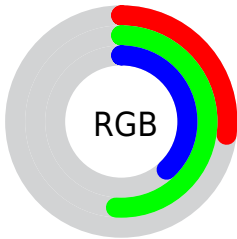
Format	Color
RYB	70, 111, 130
Decimal	4620898
CIELab	49.68, -27.38, 11.37
CIElCh	50, 29.648, 157.460
Yxy	18.1492, 0.2809, 0.4011
Android (android.graphics.Color)	4282810978 (0xFF468262)
YUV	108.4120, -5.1331, -33.6873
Hunter-Lab	42.6019, -21.2864, 9.7967

Details

The XYZ color **12.7130, 18.1492, 14.3884** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.7949, 10.0858, 13.7906**, and the grayscale version is **14.3892, 15.1385, 16.4858**.

A 20% lighter version of the original color is **30.3843, 40.1745, 34.5868**, and **3.6799, 6.0865, 4.1128** is the 20% darker color. If you saturate the color by 10%, you get **11.5616, 17.5923, 12.6992**, and if you desaturate by 10%, it is **14.0968, 18.8236, 16.2374**.

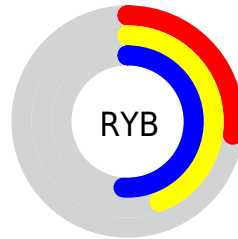
Distribution



Red (27%)

Green (51%)

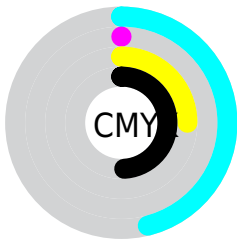
Blue (38%)



Red (27%)

Yellow (44%)

Blue (51%)

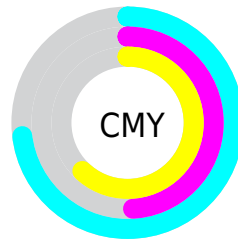


Cyan (46%)

Magenta (0%)

Yellow (25%)

Black (49%)



Cyan (73%)


Magenta (49%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7130, 18.1492, 14.3884 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 12.7130, 18.1492, 14.3884 by changing the saturation by 10% instead.


 12.7130, 18.1492,
14.3884


 12.7130, 18.1492,
14.3884

202.7450,
241.7107, 231.1457


 7.3068, 11.0572,
8.2495


 30.3929, 40.2914,
34.5036


 3.7028, 6.1053,
4.1649

 43.3974, 56.1103,
49.3170


 1.5354, 2.9092,
1.7163

 59.6654, 75.6070,
67.8589

 0.3497, 1.0845,
0.3718

 79.5622, 99.1659,
90.5479

 0.0000, 0.0000,
0.0000

 103.4532,
127.1713, 117.8025

131.7038,

160.0076, 150.0414

164.6793,
198.0593, 187.6829

■ 12.7130, 18.1492,
14.3884

■ 12.7130, 18.1492,
14.3884

■ 11.5616, 17.5923,
12.6992

■ 14.0968, 18.8236,
16.2374

■ 10.6272, 17.1436,
11.1640

■ 15.7243, 19.6197,
18.2491

■ 9.8947, 16.7959,
9.7788


■ 17.6077, 20.5444,
20.4279


■ 9.3464, 16.5401,
8.5386


■ 19.7581, 21.6032,
22.7778


■ 8.9521, 16.3608,
7.4378

■ 22.1858, 22.8013,
25.3024

 8.8163, 16.2993,
7.0494

 24.9005, 24.1438,
28.0054

 27.9116, 25.6353,
30.8903

 31.2278, 27.2804,
33.9605

 34.8578, 29.0833,
37.2194

Harmonies

Analogous

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



14.1594, 18.1492, 9.8235



12.7130, 18.1492, 14.3884



12.4150, 18.1492, 21.8459

Triad

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



12.7130, 18.1492, 14.3884



17.9635, 18.1492, 39.4937



21.9201, 18.1492, 11.7443

Complementary

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



12.7130, 18.1492, 14.3884



13.7949, 10.0858, 13.7906

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.



23.2017, 18.1492, 17.8139



12.7130, 18.1492, 14.3884



20.7611, 18.1492, 34.8209

Square

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



12.7130, 18.1492, 14.3884



15.2549, 18.1492, 37.8442



22.7560, 18.1492, 26.3288



19.4124, 18.1492, 8.6124

Rectangle

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



12.7130, 18.1492, 14.3884



12.8741, 18.1492, 27.8180



22.7560, 18.1492, 26.3288



22.5203, 18.1492, 13.4332

Sweetspot

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



12.7135, 18.1499, 14.3888



31.6672, 36.5034, 36.7111



14.6822, 19.2918, 8.7443



7.0192, 8.1893, 8.1435



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.



12.7135, 18.1499, 14.3888



20.3432, 30.9721, 22.3372



14.3397, 18.8004, 22.9526



4.3530, 4.8495, 5.0303



8.4565, 15.6292, 6.7769



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.7949, 10.0858, 13.7906



22.4869, 14.9736, 21.1417



12.5992, 9.6075, 7.4939



4.4161, 4.3796, 4.9958



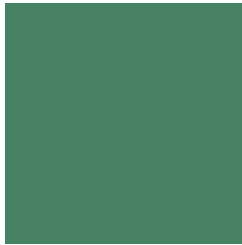
9.8705, 4.9679, 5.9076



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.7130, 18.1492, 14.3884 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 12.7130, 18.1492, 14.3884 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 12.7130, 18.1492, 14.3884

Background



This preview shows how black text looks on a background with the XYZ color 12.7130, 18.1492, 14.3884.



This preview shows how white text looks on a background with the XYZ color 12.7130, 18.1492,

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

12.7130, 18.1492, 14.3884

Protanopia

16.7505, 17.8553, 12.6888

Deuteranopia

18.2951, 17.9205, 15.0651



Tritanopia

14.9312, 18.0788, 25.6243

Trichromacy



Original Color

12.7130, 18.1492, 14.3884

Protanomaly

14.8056, 17.7305, 13.2317

Deuteranomaly

15.5013, 17.5127, 14.8752

Tritanomaly

14.0827, 18.1204, 21.1677

Monochromacy



Original Color

12.7130, 18.1492, 14.3884

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.3602, 15.8699, 15.4558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7130, 18.1492, 14.3884 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(70, 130, 98)` looks like.

```
.text, #text, p{  
    color:rgb(70, 130, 98)  
}
```

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(70, 130, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 130, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.7130, 18.1492, 14.3884 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(70, 130, 98) }
```


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

```
.border{ border-color:rgb(70, 130, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 130, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 130, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 130, 98);  
box-shadow:4px 4px 4px 4px rgb(70, 130,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7130, 18.1492, 14.3884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 130, 98) }
```

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

```
.background{ background-color: rgb(70, 130,  
98) }
```

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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