

Converting Colors

XYZ(13.1306, 18.0135, 14.4614)

Have a look what the booklet for
XYZ(13.1306, 18.0135, 14.4614)
contains.

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Color

**XYZ(13.0657, 17.9399,
14.3294)**

Conversions

Conversions Part 1

Format	Color
Hex	4E8062
RGB	78, 128, 98
RGB Percent	31%, 50%, 38%
CMY	0.6941, 0.4980, 0.6157
CMYK	0.39, 0.00, 0.23, 0.50
HSL	144°, 24%, 40%
HSV	144°, 39%, 50%
XYZ	13.0657, 17.9399, 14.3294
YIQ	109.6300, -20.1700, -19.9300

Conversions

Conversions Part 2

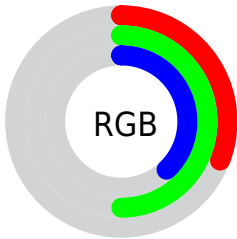
Format	Color
R_{YB}	78, 114, 128
Decimal	5144674
CIE _{Lab}	49.42, -23.95, 11.07
CIE _{LCh}	49, 26.382, 155.196
Yxy	17.9399, 0.2882, 0.3957
Android (android.graphics.Color)	4283334754 (0xFF4E8062)
YUV	109.6300, -5.7336, -27.7395
Hunter-Lab	42.3555, -19.0590, 9.5903

Details

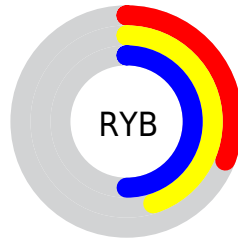
The XYZ color **13.0657, 17.9399, 14.3294** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.3339, 11.1212, 15.5793**, and the grayscale version is **14.7355, 15.5029, 16.8827**.

A 20% lighter version of the original color is **31.0019, 39.8848, 34.4983**, and **3.8286, 5.9490, 4.0785** is the 20% darker color. If you saturate the color by 10%, you get **11.7720, 17.3134, 12.4660**, and if you desaturate by 10%, it is **14.5994, 18.6871, 16.3865**.

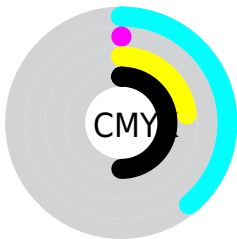
Distribution



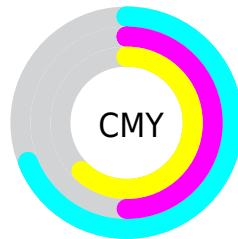
- Red (31%)
- Green (50%)
- Blue (38%)



- Red (31%)
- Yellow (45%)
- Blue (50%)



- Cyan (39%)
- Magenta (0%)
- Yellow (23%)
- Black (50%)



- Cyan (69%)
- Magenta (50%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0657, 17.9399, 14.3294 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 13.0657, 17.9399, 14.3294 by changing the saturation by 10% instead.

■ 13.0657, 17.9399,
14.3294

■ 13.0657, 17.9399,
14.3294

204.9674,
240.5321, 230.7698

■ 7.5511, 10.9068,
8.2088

■ 31.0221, 39.9349,
34.3979

■ 3.8585, 6.0042,
4.1391

■ 44.1946, 55.6656,
49.1828

■ 1.6224, 2.8477,
1.7020

■ 60.6504, 75.0644,
67.6929

■ 0.4069, 1.0527,
0.3621

■ 80.7550, 98.5155,
90.3467

■ 0.0000, 0.0000,
0.0000

■ 104.8736,
126.4035, 117.5627

133.3716,

159.1126, 149.7595

166.6145,
197.0273, 187.3557

■ 13.0657, 17.9399,
14.3294

■ 13.0657, 17.9399,
14.3294

■ 11.7720, 17.3134,
12.4660

■ 14.5994, 18.6871,
16.3865

■ 10.7039, 16.7988,
10.7894

■ 16.3834, 19.5587,
18.6415

■ 9.8478, 16.3896,
9.2939

■ 18.4294, 20.5612,
21.1001

■ 9.1878, 16.0779,
7.9734

■ 20.7476, 21.6996,
23.7673

■ 8.7057, 15.8544,
6.8210

■ 23.3480, 22.9791,
26.6478

■ 8.3525, 15.6940,
5.8283

■ 26.2397, 24.4043,
29.7465

■ 8.3214, 15.6798,
5.7429

■ 29.4318, 25.9796,
33.0677

■ 32.9326, 27.7095,
36.6160

■ 36.7504, 29.5979,
40.3955

Harmonies

Analogous

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



14.4391, 17.9399, 10.3377



13.0657, 17.9399, 14.3294



12.7156, 17.9399, 20.8011

Triad

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



13.0657, 17.9399, 14.3294



17.4884, 17.9399, 36.6088



21.2687, 17.9399, 12.6510

Complementary

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



13.0657, 17.9399, 14.3294



14.3339, 11.1212, 15.5793

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.



22.2751, 17.9399, 18.3185



13.0657, 17.9399, 14.3294



19.9610, 17.9399, 33.0106

Square

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



13.0657, 17.9399, 14.3294



15.1214, 17.9399, 34.8029



21.7748, 17.9399, 25.8659



19.1388, 17.9399, 9.5467

Rectangle

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



13.0657, 17.9399, 14.3294



13.0773, 17.9399, 25.9683



21.7748, 17.9399, 25.8659



21.7586, 17.9399, 14.2606

Sweetspot

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



13.0662, 17.9406, 14.3298



31.2374, 35.6068, 35.7178



15.3812, 19.2299, 10.1091



7.2245, 8.2929, 8.2561



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.



13.0662, 17.9406, 14.3298



20.9311, 30.5810, 22.2546



14.3849, 18.4681, 21.2739



4.3418, 4.8450, 4.9709



8.2516, 15.5472, 5.6978



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.3339, 11.1212, 15.5793



23.4951, 16.7722, 24.7697



13.2207, 10.6759, 9.7175



4.4276, 4.3842, 5.0561



10.1491, 5.0793, 7.3748



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.0657, 17.9399, 14.3294 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 13.0657, 17.9399, 14.3294 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 13.0657, 17.9399, 14.3294

Background



This preview shows how black text looks on a background with the XYZ color 13.0657, 17.9399, 14.3294.



This preview shows how white text looks on a background with the XYZ color 13.0657, 17.9399,

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

13.0657, 17.9399, 14.3294

Protanopia

16.6493, 17.7980, 12.9138

Deuteranopia

18.0856, 17.8182, 14.7980



Tritanopia

15.1543, 17.8378, 24.8346

Trichromacy



Original Color

13.0657, 17.9399, 14.3294

Protanomaly

14.9663, 17.6268, 13.4400

Deuteranomaly

15.7181, 17.4544, 14.5972

Tritanomaly

14.2911, 17.8623, 20.4638

Monochromacy



Original Color

13.0657, 17.9399, 14.3294

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

13.9998, 16.3599, 16.0556

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0657, 17.9399, 14.3294 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(78, 128, 98)` looks like.

```
.text, #text, p{  
    color:rgb(78, 128, 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(78, 128, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 128, 98) }
```

Border

The CSS property to change the border of an element to XYZ 13.0657, 17.9399, 14.3294 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(78, 128, 98) }
```


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

```
.border{ border-color:rgb(78, 128, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 128, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 128, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 128, 98);  
box-shadow:4px 4px 4px 4px rgb(78, 128,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0657, 17.9399, 14.3294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 128, 98) }
```

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

```
.background{ background-color: rgb(78, 128,  
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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