

Converting Colors

XYZ(13.8782, 18.4110, 14.1219)

Have a look what the booklet for
XYZ(13.8782, 18.4110, 14.1219)
contains.

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Color

**XYZ(13.8073, 18.3276,
14.1191)**

Conversions

Conversions Part 1

Format	Color
Hex	578061
RGB	87, 128, 97
RGB Percent	34%, 50%, 38%
CMY	0.6588, 0.4980, 0.6196
CMYK	0.32, 0.00, 0.24, 0.50
HSL	135°, 19%, 42%
HSV	135°, 32%, 50%
XYZ	13.8073, 18.3276, 14.1191
YIQ	112.2070, -14.4850, -18.3330

Conversions

Conversions Part 2

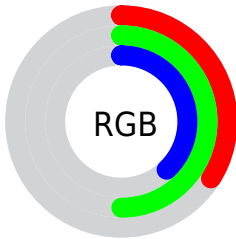
Format	Color
RYB	87, 120, 128
Decimal	5734497
CIELab	49.89, -21.17, 12.37
CIELCh	50, 24.523, 149.695
Yxy	18.3276, 0.2985, 0.3962
Android (android.graphics.Color)	4283924577 (0xFF578061)
YUV	112.2070, -7.4971, -22.1065
Hunter-Lab	42.8107, -17.3491, 10.4135

Details

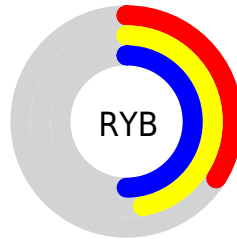
The XYZ color **13.8073, 18.3276, 14.1191** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.5809, 12.7140, 18.7731**, and the grayscale version is **15.4866, 16.2931, 17.7432**.

A 20% lighter version of the original color is **32.3504, 40.5891, 34.1464**, and **4.2084, 6.2536, 4.0029** is the 20% darker color. If you saturate the color by 10%, you get **12.2925, 17.5962, 11.8346**, and if you desaturate by 10%, it is **15.5901, 19.1918, 16.7044**.

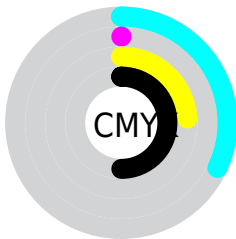
Distribution



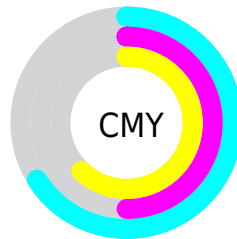
- Red (34%)
- Green (50%)
- Blue (38%)



- Red (34%)
- Yellow (47%)
- Blue (50%)



- Cyan (32%)
- Magenta (0%)
- Yellow (24%)
- Black (50%)



- Cyan (66%)
- Magenta (50%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8073, 18.3276, 14.1191 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 13.8073, 18.3276, 14.1191 by changing the saturation by 10% instead.

■ 13.8073, 18.3276,
14.1191

■ 13.8073, 18.3276,
14.1191

209.5634,
242.7111, 229.4246

■ 8.0676, 11.1854,
8.0639

■ 32.3358, 40.5948,
34.0204

■ 4.1904, 6.1917,
4.0475

■ 45.8554, 56.4886,
48.7035

■ 1.8104, 2.9620,
1.6514

■ 62.6989, 76.0683,
67.0996

■ 0.5239, 1.1119,
0.3271

■ 83.2317, 99.7185,
89.6273

■ 0.0000, 0.0000,
0.0000

■ 107.8192,
127.8235, 116.7051

136.8268,

160.7677, 148.7516

170.6197,
198.9354, 186.1852

■ 13.8073, 18.3276,
14.1191

■ 13.8073, 18.3276,
14.1191

■ 12.2925, 17.5962,
11.8346

■ 15.5901, 19.1918,
16.7044

■ 11.0311, 16.9888,
9.8388

■ 17.6516, 20.1926,
19.5995

■ 10.0093, 16.4990,
8.1205

■ 20.0039, 21.3366,
22.8149

■ 9.2112, 16.1189,
6.6673

■ 22.6578, 22.6290,
26.3599

■ 8.6190, 15.8396,
5.4658

■ 25.6236, 24.0750,
30.2435

■ 8.2122, 15.6508,
4.5016

■ 28.9110, 25.6795,
34.4745

■ 7.9697, 15.5391,
3.8908

■ 32.5293, 27.4470,
39.0611

■ 36.4876, 29.3821,
44.0115

■ 40.7945, 31.4891,
49.3335

Harmonies

Analogous

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



15.2788, 18.3276, 10.7032



13.8073, 18.3276, 14.1191



13.2859, 18.3276, 19.8869

Triad

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



13.8073, 18.3276, 14.1191



17.3958, 18.3276, 35.8687



21.6410, 18.3276, 14.2140

Complementary

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



13.8073, 18.3276, 14.1191



15.5809, 12.7140, 18.7731

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.



22.3329, 18.3276, 20.0246



13.8073, 18.3276, 14.1191



19.7521, 18.3276, 33.4182

Square

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



13.8073, 18.3276, 14.1191



15.2406, 18.3276, 33.3212



21.6132, 18.3276, 27.2128



19.7975, 18.3276, 10.7487

Rectangle

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



13.8073, 18.3276, 14.1191



13.5075, 18.3276, 24.6353



21.6132, 18.3276, 27.2128



22.0229, 18.3276, 15.9096

Sweetspot

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



13.8078, 18.3284, 14.1195



31.7850, 35.8948, 35.4844



16.9703, 20.0092, 11.9848



7.3325, 8.3509, 8.1571



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.



13.8078, 18.3284, 14.1195



22.4350, 31.3623, 22.0502



14.8650, 18.7513, 19.6867



4.3157, 4.8346, 4.8338



7.9027, 15.4077, 3.8605



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.5809, 12.7140, 18.7731



26.0368, 19.9483, 31.4965



14.5123, 12.2865, 13.1458



4.4547, 4.3950, 5.1991



10.9570, 5.4025, 11.6292



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.8073, 18.3276, 14.1191 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 13.8073, 18.3276, 14.1191 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 13.8073, 18.3276, 14.1191

Background



This preview shows how black text looks on a background with the XYZ color 13.8073, 18.3276, 14.1191.



This preview shows how white text looks on a background with the XYZ color 13.8073, 18.3276,

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

13.8073, 18.3276, 14.1191

Protanopia

17.0144, 18.1652, 12.7347

Deuteranopia

18.4709, 18.1890, 14.5939



Tritanopia

15.9327, 18.2391, 24.8710

Trichromacy



Original Color

13.8073, 18.3276, 14.1191

Protanomaly

15.6620, 18.1720, 13.2717

Deuteranomaly

16.3202, 17.9461, 14.4082

Tritanomaly

15.0382, 18.2474, 20.4988

Monochromacy



Original Color

13.8073, 18.3276, 14.1191

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.7258, 16.9020, 16.3962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8073, 18.3276, 14.1191 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, 97)` looks like.

```
.text, #text, p{  
    color:rgb(87, 128, 97)  
}
```

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, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 128, 97) }
```

Border

The CSS property to change the border of an element to XYZ 13.8073, 18.3276, 14.1191 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, 97) }
```


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

```
.border{ border-color:rgb(87, 128, 97) }
```

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, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 128, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 128, 97);  
box-shadow:4px 4px 4px 4px rgb(87, 128,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8073, 18.3276, 14.1191 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, 97) }
```

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

```
.background{ background-color: rgb(87, 128,  
97) }
```

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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