

Converting Colors

XYZ(13.0242, 17.8671, 12.2691)

Have a look what the booklet for
XYZ(13.0242, 17.8671, 12.2691)
contains.

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Color

**XYZ(13.0896, 17.9986,
12.2354)**

Conversions

Conversions Part 1

Format	Color
Hex	538059
RGB	83, 128, 89
RGB Percent	33%, 50%, 35%
CMY	0.6745, 0.4980, 0.6510
CMYK	0.35, 0.00, 0.30, 0.50
HSL	128°, 21%, 41%
HSV	128°, 35%, 50%
XYZ	13.0896, 17.9986, 12.2354
YIQ	110.0990, -14.3010, -21.6690

Conversions

Conversions Part 2

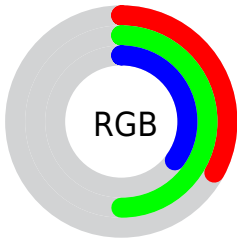
Format	Color
R_{YB}	83, 123, 128
Decimal	5472345
CIE _{Lab}	49.49, -24.10, 16.41
CIE _{LCh}	49, 29.154, 145.747
Yxy	17.9986, 0.3021, 0.4154
Android (android.graphics.Color)	4283662425 (0xFF538059)
YUV	110.0990, -10.4018, -23.7658
Hunter-Lab	42.4248, -19.1695, 12.5980

Details

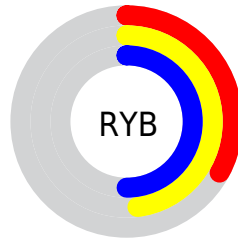
The XYZ color **13.0896, 17.9986, 12.2354** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.5087, 12.1812, 19.9467**, and the grayscale version is **14.8816, 15.6566, 17.0501**.

A 20% lighter version of the original color is **31.0156, 39.9802, 30.5083**, and **3.8536, 5.9805, 3.2368** is the 20% darker color. If you saturate the color by 10%, you get **11.6316, 17.2973, 9.9161**, and if you desaturate by 10%, it is **14.8273, 18.8370, 14.9351**.

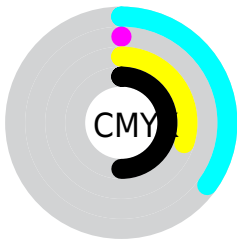
Distribution



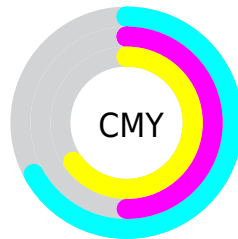
- Red (33%)
- Green (50%)
- Blue (35%)



- Red (33%)
- Yellow (48%)
- Blue (50%)



- Cyan (35%)
- Magenta (0%)
- Yellow (30%)
- Black (50%)



- Cyan (67%)
- Magenta (50%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0896, 17.9986, 12.2354 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 13.0896, 17.9986, 12.2354 by changing the saturation by 10% instead.

■ 13.0896, 17.9986,
12.2354

■ 13.0896, 17.9986,
12.2354

205.1171,
240.8632, 216.9905

■ 7.5677, 10.9490,
6.7797

■ 31.0646, 40.0349,
30.5939

■ 3.8691, 6.0325,
3.2484

■ 44.2484, 55.7905,
44.3338

■ 1.6283, 2.8649,
1.2228

■ 60.7169, 75.2167,
61.6722

■ 0.4108, 1.0616,
0.0000

■ 80.8355, 98.6981,
83.0276

■ 0.0000, 0.0000,
0.0000

■ 104.9694,
126.6191, 108.8186

133.4841,

159.3640, 139.4637

166.7449,
197.3172, 175.3815

■ 13.0896, 17.9986,
12.2354

■ 13.0896, 17.9986,
12.2354

■ 11.6316, 17.2973,
9.9161

■ 14.8273, 18.8370,
14.9351

■ 10.4373, 16.7237,
7.9590

■ 16.8568, 19.8168,
18.0299

■ 9.4912, 16.2707,
6.3461

■ 19.1914, 20.9452,
21.5353

■ 8.7755, 15.9295,
5.0574

■ 21.8428, 22.2278,
25.4655

■ 8.2701, 15.6903,
4.0711

■ 24.8224, 23.6702,
29.8341

■ 7.9462, 15.5387,
3.3620

■ 28.1409, 25.2777,
34.6541

■ 7.8212, 15.4797,
3.1088

■ 31.8085, 27.0553,
39.9380

■ 35.8350, 29.0077,
45.6975

■ 40.2299, 31.1397,
51.9443

Harmonies

Analogous

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



14.9065, 17.9986, 8.8584



13.0896, 17.9986, 12.2354



12.3473, 17.9986, 18.4933

Triad

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



13.0896, 17.9986, 12.2354



16.7171, 17.9986, 38.9664



22.3388, 17.9986, 13.7155

Complementary

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



13.0896, 17.9986, 12.2354



15.5087, 12.1812, 19.9467

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.



22.9556, 17.9986, 20.7447



13.0896, 17.9986, 12.2354



19.5143, 17.9986, 36.6952

Square

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



13.0896, 17.9986, 12.2354



14.2941, 17.9986, 35.0117



21.8726, 17.9986, 29.4424



20.2670, 17.9986, 9.5380

Rectangle

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



13.0896, 17.9986, 12.2354



12.4962, 17.9986, 24.0124



21.8726, 17.9986, 29.4424



22.7321, 17.9986, 15.7598

Sweetspot

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



13.0901, 17.9994, 12.2358



31.2173, 35.6330, 34.0651



17.3072, 20.2013, 11.1708



7.2043, 8.2921, 7.8182



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.



13.0901, 17.9994, 12.2358



21.0002, 30.7043, 18.2972



14.1838, 18.4368, 17.9953



4.2976, 4.8274, 4.7383



7.7553, 15.3487, 3.0842



0.0000, 0.0000, 0.0000

Inverse Universe

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



15.5087, 12.1812, 19.9467



25.9091, 18.8865, 33.9401



14.2720, 11.6865, 13.4339



4.4743, 4.4029, 5.3020



11.6687, 5.6872, 15.3772



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.0896, 17.9986, 12.2354 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 13.0896, 17.9986, 12.2354 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 13.0896, 17.9986, 12.2354

Background



This preview shows how black text looks on a background with the XYZ color 13.0896, 17.9986, 12.2354.



This preview shows how white text looks on a background with the XYZ color 13.0896, 17.9986,

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

13.0896, 17.9986, 12.2354

Protanopia

16.5657, 17.7983, 10.9498

Deuteranopia

18.1534, 17.9013, 12.6237



Tritanopia

15.5380, 17.8603, 24.4582

Trichromacy



Original Color

13.0896, 17.9986, 12.2354

Protanomaly

14.9475, 17.6616, 11.4253

Deuteranomaly

15.7029, 17.4941, 12.4466

Tritanomaly

14.4799, 17.8001, 19.1956

Monochromacy



Original Color

13.0896, 17.9986, 12.2354

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.0151, 16.3912, 14.9955

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0896, 17.9986, 12.2354 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(83, 128, 89)` looks like.

```
.text, #text, p{  
    color:rgb(83, 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(83, 128, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 128, 89) }
```

Border

The CSS property to change the border of an element to XYZ 13.0896, 17.9986, 12.2354 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(83, 128, 89) }
```


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

```
.border{ border-color:rgb(83, 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(83, 128, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 128, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 128, 89);  
box-shadow:4px 4px 4px 4px rgb(83, 128,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0896, 17.9986, 12.2354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 128, 89) }
```

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

```
.background{ background-color: rgb(83, 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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