

Converting Colors

XYZ(12.5077, 18.1956, 13.4741)

Have a look what the booklet for
XYZ(12.5077, 18.1956, 13.4741)
contains.

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Color

**XYZ(12.5206, 18.2697,
13.4562)**

Conversions

Conversions Part 1

Format	Color
Hex	44835E
RGB	68, 131, 94
RGB Percent	27%, 51%, 37%
CMY	0.7333, 0.4863, 0.6314
CMYK	0.48, 0.00, 0.28, 0.49
HSL	145°, 32%, 39%
HSV	145°, 48%, 51%
XYZ	12.5206, 18.2697, 13.4562
YIQ	107.9450, -25.6710, -24.8630

Conversions

Conversions Part 2

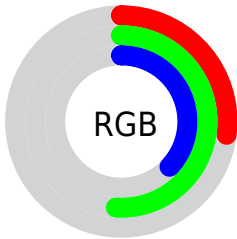
Format	Color
RYB	68, 113, 131
Decimal	4490078
CIELab	49.82, -29.30, 13.86
CIElCh	50, 32.419, 154.681
Yxy	18.2697, 0.2830, 0.4129
Android (android.graphics.Color)	4282680158 (0xFF44835E)
YUV	107.9450, -6.8749, -35.0318
Hunter-Lab	42.7431, -22.5129, 11.2547

Details

The XYZ color **12.5206, 18.2697, 13.4562** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **13.9776, 9.9799, 14.5549**, and the grayscale version is **14.2627, 15.0054, 16.3409**.

A 20% lighter version of the original color is **29.9971, 40.3184, 32.9893**, and **3.6275, 6.1764, 3.7973** is the 20% darker color. If you saturate the color by 10%, you get **11.3789, 17.7196, 11.6897**, and if you desaturate by 10%, it is **13.9019, 18.9404, 15.4144**.

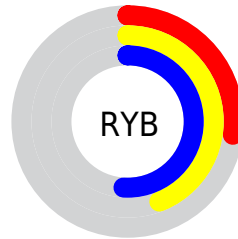
Distribution



Red (27%)

Green (51%)

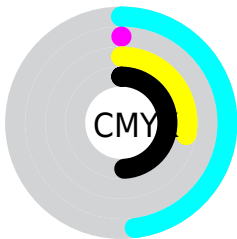
Blue (37%)



Red (27%)

Yellow (44%)

Blue (51%)

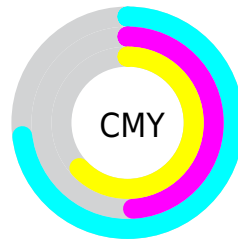


Cyan (48%)

Magenta (0%)

Yellow (28%)

Black (49%)



Cyan (73%)


Magenta (49%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.5206, 18.2697, 13.4562 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 12.5206, 18.2697, 13.4562 by changing the saturation by 10% instead.


 12.5206, 18.2697,
13.4562

 12.5206, 18.2697,
13.4562


201.5223,
242.3868, 225.1306


 7.1740, 11.1438,
7.6090


 30.0485, 40.4964,
32.8241


 3.6184, 6.1636,
3.7616

 42.9605, 56.3659,
47.1819


 1.4886, 2.9448,
1.4955

 59.1250, 75.9188,
65.2136

 0.3181, 1.1030,
0.2146

 78.9073, 99.5393,
87.3379

 0.0000, 0.0000,
0.0000

 102.6728,
127.6120, 113.9732

130.7870,

160.5213, 145.5380

163.6150,
198.6514, 182.4510

■ 12.5206, 18.2697,
13.4562

■ 12.5206, 18.2697,
13.4562

■ 11.3789, 17.7196,
11.6897

■ 13.9019, 18.9404,
15.4144

■ 10.4606, 17.2802,
10.1077

■ 15.5348, 19.7362,
17.5688

■ 9.7497, 16.9440,
8.7044


■ 17.4322, 20.6642,
19.9251


■ 9.2271, 16.7014,
7.4731


■ 19.6058, 21.7302,
22.4885


■ 8.8503, 16.5304,
6.4058


■ 22.0663, 22.9397,
25.2639

 8.7840, 16.5002,
6.2197

 24.8240, 24.2980,
28.2564

 27.8887, 25.8100,
31.4703

 31.2697, 27.4803,
34.9104

 34.9760, 29.3135,
38.5810

Harmonies

Analogous

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



14.1932, 18.2697, 8.9088



12.5206, 18.2697, 13.4562



12.0820, 18.2697, 21.3164

Triad

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



12.5206, 18.2697, 13.4562



17.8551, 18.2697, 42.1806



22.7343, 18.2697, 11.6836

Complementary

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



12.5206, 18.2697, 13.4562



13.9776, 9.9799, 14.5549

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.



23.9990, 18.2697, 18.5336



12.5206, 18.2697, 13.4562



20.9769, 18.2697, 37.4631

Square

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



12.5206, 18.2697, 13.4562



14.9414, 18.2697, 39.6249



23.3206, 18.2697, 28.1104



20.0370, 18.2697, 8.1191

Rectangle

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



12.5206, 18.2697, 13.4562



12.4981, 18.2697, 27.8940



23.3206, 18.2697, 28.1104



23.3547, 18.2697, 13.5894

Sweetspot

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



12.5211, 18.2704, 13.4566



32.6238, 37.6934, 37.3659



15.0804, 19.7027, 8.4773



7.4302, 8.6948, 8.5026



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.



12.5211, 18.2704, 13.4566



20.1500, 31.6220, 20.5618



14.1833, 18.9353, 22.2099



4.6901, 5.2343, 5.3792



8.6474, 16.2418, 6.1288



0.0334, 0.0577, 0.0396

Inverse Universe

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



13.9776, 9.9799, 14.5549



23.0899, 14.8550, 22.7537



12.6739, 9.4584, 7.6897



4.7787, 4.7312, 5.4470



10.5313, 5.2769, 7.3704



0.0401, 0.0197, 0.0447

Previews

White Background



This preview shows how the XYZ color 12.5206, 18.2697, 13.4562 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 12.5206, 18.2697, 13.4562 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 12.5206, 18.2697, 13.4562

Background



This preview shows how black text looks on a background with the XYZ color 12.5206, 18.2697, 13.4562.



This preview shows how white text looks on a background with the XYZ color 12.5206, 18.2697,

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

12.5206, 18.2697, 13.4562

Protanopia

16.8441, 18.0971, 11.8378

Deuteranopia

18.2631, 17.9263, 14.0528



Tritanopia

15.1292, 18.3615, 26.0393

Trichromacy



Original Color

12.5206, 18.2697, 13.4562

Protanomaly

14.7541, 17.9074, 12.3517

Deuteranomaly

15.4297, 17.6755, 13.9077

Tritanomaly

14.0720, 18.3147, 20.8826

Monochromacy



Original Color

12.5206, 18.2697, 13.4562

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.2078, 15.7972, 15.1850

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5206, 18.2697, 13.4562 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(68, 131, 94)` looks like.

```
.text, #text, p{  
    color:rgb(68, 131, 94)  
}
```

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(68, 131, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 131, 94) }
```

Border

The CSS property to change the border of an element to XYZ 12.5206, 18.2697, 13.4562 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(68, 131, 94) }
```


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

```
.border{ border-color:rgb(68, 131, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 131, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 131, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 131, 94);  
box-shadow:4px 4px 4px 4px rgb(68, 131,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5206, 18.2697, 13.4562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 131, 94) }
```

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

```
.background{ background-color: rgb(68, 131,  
94) }
```

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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