

Converting Colors

XYZ(13.0437, 17.1451, 4.3544)

Have a look what the booklet for
XYZ(13.0437, 17.1451, 4.3544)
contains.

XYZ(13.1258, 17.2425, 4.3866)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.1258, 17.2425,
4.3866)**

Conversions

Conversions Part 1

Format	Color
Hex	687B25
RGB	104, 123, 37
RGB Percent	41%, 48%, 15%
CMY	0.5922, 0.5176, 0.8549
CMYK	0.15, 0.00, 0.70, 0.52
HSL	73°, 54%, 31%
HSV	73°, 70%, 48%
XYZ	13.1258, 17.2425, 4.3866
YIQ	107.5150, 16.2820, -30.7740

Conversions

Conversions Part 2

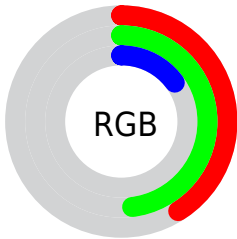
Format	Color
RYB	37, 123, 56
Decimal	6847269
CIELab	48.56, -19.85, 42.76
CIElCh	49, 47.138, 114.904
Yxy	17.2425, 0.3777, 0.4961
Android (android.graphics.Color)	4285037349 (0xFF687B25)
YUV	107.5150, -34.7639, -3.0827
Hunter-Lab	41.5241, -16.2432, 22.8035

Details

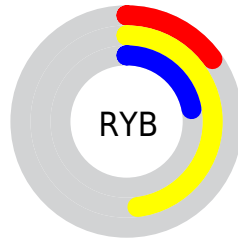
The XYZ color **13.1258, 17.2425, 4.3866** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **5.8682, 3.5944, 19.1243**, and the grayscale version is **14.2094, 14.9494, 16.2799**.

A 20% lighter version of the original color is **30.9549, 38.5162, 14.8197**, and **3.9701, 5.6818, 0.8875** is the 20% darker color. If you saturate the color by 10%, you get **12.6541, 17.0186, 3.5209**, and if you desaturate by 10%, it is **13.6737, 17.4993, 5.5964**.

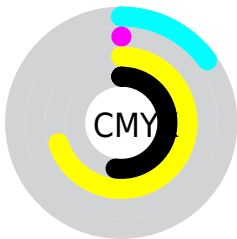
Distribution



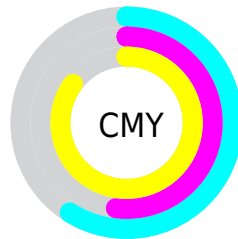
- Red (41%)
- Green (48%)
- Blue (15%)



- Red (15%)
- Yellow (48%)
- Blue (22%)



- Cyan (15%)
- Magenta (0%)
- Yellow (70%)
- Black (52%)



- Cyan (59%)
- Magenta (52%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1258, 17.2425, 4.3866 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 13.1258, 17.2425, 4.3866 by changing the saturation by 10% instead.

■ 13.1258, 17.2425,
4.3866

■ 13.1258, 17.2425,
4.3866

205.3437,
236.5660, 152.4301

■ 7.5928, 10.4075,
1.8397

■ 31.1290, 38.7422,
14.8920

■ 3.8851, 5.6700,
0.4540

■ 44.3299, 54.1758,
23.6876

■ 1.6374, 2.6455,
0.0000

■ 60.8176, 73.2444,
35.4032

■ 0.4166, 0.9496,
0.0000

■ 80.9573, 96.3324,
50.4574

■ 0.0000, 0.0000,
0.0000

■ 105.1144,
123.8241, 69.2686

■ 133.6542,

156.1040, 92.2554

166.9422,
193.5565, 119.8364

■ 13.1258, 17.2425,
4.3866

■ 13.1258, 17.2425,
4.3866

■ 12.6541, 17.0186,
3.5209

■ 13.6737, 17.4993,
5.5964

■ 12.2503, 16.8223,
2.9623

■ 14.3024, 17.7890,
7.1804

■ 11.8916, 16.6453,
2.5890

■ 15.0178, 18.1146,
9.1665

■ 11.8886, 16.6439,
2.5860

■ 15.8246, 18.4780,
11.5798

■ 16.7274, 18.8809,
14.4433

■ 17.7303, 19.3251,
17.7782

■ 18.8371, 19.8122,
21.6047

■ 20.0515, 20.3435,
25.9414

■ 21.3770, 20.9205,
30.8063

Harmonies

Analogous

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



17.1393, 17.2425, 3.6293



13.1258, 17.2425, 4.3866



10.4754, 17.2425, 8.1292

Triad

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



13.1258, 17.2425, 4.3866



12.0516, 17.2425, 45.8301



26.1615, 17.2425, 20.9732

Complementary

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



13.1258, 17.2425, 4.3866



5.8682, 3.5944, 19.1243

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.



24.1902, 17.2425, 36.0962



13.1258, 17.2425, 4.3866



15.6599, 17.2425, 53.9588

Square

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



13.1258, 17.2425, 4.3866



9.9361, 17.2425, 30.7150



20.1514, 17.2425, 49.7790



25.1618, 17.2425, 10.4152

Rectangle

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



13.1258, 17.2425, 4.3866



9.5913, 17.2425, 13.2226



20.1514, 17.2425, 49.7790



25.8155, 17.2425, 25.6957

Sweetspot

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



13.1262, 17.2433, 4.3870



29.6827, 33.6890, 24.9873



9.8994, 7.1380, 2.6065



6.9029, 7.8951, 5.6033



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.1262, 17.2433, 4.3870



22.2010, 30.2527, 5.6293



9.3646, 15.3041, 4.2109



4.2252, 4.5914, 4.2880



12.2934, 17.2147, 2.6748



57.8909, 81.7293, 12.7242

Inverse Universe

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



5.8682, 3.5944, 19.1243



8.3694, 4.1137, 33.9095



9.3429, 5.3857, 19.2870



3.8729, 3.9323, 4.9981



4.1668, 1.7208, 19.4978



19.2609, 7.8913, 92.9778

Previews

White Background



This preview shows how the XYZ color 13.1258, 17.2425, 4.3866 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 13.1258, 17.2425, 4.3866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.1258, 17.2425, 4.3866

Background



This preview shows how black text looks on a background with the XYZ color 13.1258, 17.2425, 4.3866.



This preview shows how white text looks on a background with the XYZ color 13.1258, 17.2425,

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

13.1258, 17.2425, 4.3866

Protanopia

15.4874, 17.0499, 4.0648

Deuteranopia

17.3882, 17.0337, 4.5619



Tritanopia

16.5789, 17.2274, 21.5202

Trichromacy



Original Color

13.1258, 17.2425, 4.3866

Protanomaly

14.5426, 17.0773, 4.1988

Deuteranomaly

15.4536, 16.8550, 4.4463

Tritanomaly

14.8406, 17.0446, 12.6330

Monochromacy



Original Color

13.1258, 17.2425, 4.3866

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.4915, 15.5453, 10.2721

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1258, 17.2425, 4.3866 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(104, 123, 37)` looks like.

```
.text, #text, p{  
    color:rgb(104, 123, 37)  
}
```

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(104, 123, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 123, 37) }
```

Border

The CSS property to change the border of an element to XYZ 13.1258, 17.2425, 4.3866 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(104, 123, 37) }
```


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

```
.border{ border-color:rgb(104, 123, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 123, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 123, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 123, 37);  
box-shadow:4px 4px 4px 4px rgb(104, 123,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1258, 17.2425, 4.3866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 123, 37) }
```

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

```
.background{ background-color: rgb(104,  
123, 37) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor