

Converting Colors

XYZ(13.8347, 17.9702, 5.0256)

Have a look what the booklet for
XYZ(13.8347, 17.9702, 5.0256)
contains.

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Color

**XYZ(13.8331, 17.9674,
5.0245)**

Conversions

Conversions Part 1

Format	Color
Hex	6B7D2B
RGB	107, 125, 43
RGB Percent	42%, 49%, 17%
CMY	0.5804, 0.5098, 0.8314
CMYK	0.14, 0.00, 0.66, 0.51
HSL	73°, 49%, 33%
HSV	73°, 66%, 49%
XYZ	13.8331, 17.9674, 5.0245
YIQ	110.2700, 15.5940, -29.3180

Conversions

Conversions Part 2

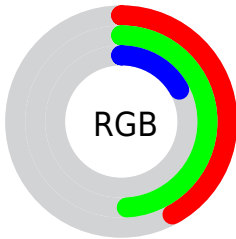
Format	Color
RYB	43, 125, 61
Decimal	7044395
CIELab	49.46, -19.14, 41.12
CIElCh	49, 45.354, 114.955
Yxy	17.9674, 0.3756, 0.4879
Android (android.graphics.Color)	4285234475 (0xFF6B7D2B)
YUV	110.2700, -33.1641, -2.8678
Hunter-Lab	42.3880, -15.9264, 22.6436

Details

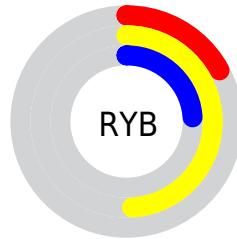
The XYZ color **13.8331, 17.9674, 5.0245** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **6.4906, 4.2010, 19.8718**, and the grayscale version is **14.9883, 15.7689, 17.1723**.

A 20% lighter version of the original color is **32.3934, 40.1047, 16.3896**, and **4.2718, 6.0387, 0.9404** is the 20% darker color. If you saturate the color by 10%, you get **13.3135, 17.7227, 3.9813**, and if you desaturate by 10%, it is **14.4344, 18.2473, 6.4393**.

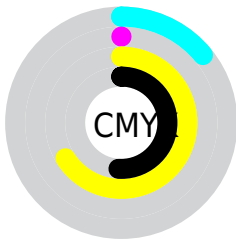
Distribution



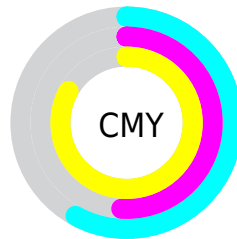
- Red (42%)
- Green (49%)
- Blue (17%)



- Red (17%)
- Yellow (49%)
- Blue (24%)



- Cyan (14%)
- Magenta (0%)
- Yellow (66%)
- Black (51%)



- Cyan (58%)
- Magenta (51%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8331, 17.9674, 5.0245 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 13.8331, 17.9674, 5.0245 by changing the saturation by 10% instead.

■ 13.8331, 17.9674,
5.0245

■ 13.8331, 17.9674,
5.0245

209.7215,
240.6872, 159.0104

■ 8.0856, 10.9266,
2.2027

■ 32.3813, 39.9818,
16.3110

■ 4.2020, 6.0175,
0.6759

■ 45.9128, 55.7241,
25.6128

■ 1.8171, 2.8557,
0.0000

■ 62.7696, 75.1358,
37.9116

■ 0.5279, 1.0569,
0.0000

■ 83.3171, 98.6011,
53.6260

■ 0.0000, 0.0000,
0.0000

■ 107.9207,
126.5045, 73.1746

■ 136.9458,

159.2304, 96.9758

170.7576,
197.1632, 125.4482

■ 13.8331, 17.9674,
5.0245

■ 13.8331, 17.9674,
5.0245

■ 13.3135, 17.7227,
3.9813

■ 14.4344, 18.2473,
6.4393

■ 12.8675, 17.5080,
3.2736

■ 15.1220, 18.5623,
8.2552

■ 12.4843, 17.3196,
2.8430

■ 15.9016, 18.9153,
10.5003

■ 12.3236, 17.2402,
2.6782

■ 16.7781, 19.3083,
13.1994

■ 17.7560, 19.7432,
16.3759

■ 18.8395, 20.2215,
20.0511

■ 20.0325, 20.7449,
24.2455

■ 21.3387, 21.3149,
28.9781

■ 22.7617, 21.9329,
34.2671

Harmonies

Analogous

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



17.8119, 17.9674, 4.2190



13.8331, 17.9674, 5.0245



11.1834, 17.9674, 8.9049

Triad

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



13.8331, 17.9674, 5.0245



12.7716, 17.9674, 45.9237



26.6649, 17.9674, 21.7115

Complementary

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



13.8331, 17.9674, 5.0245



6.4906, 4.2010, 19.8718

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.



24.7463, 17.9674, 36.4726



13.8331, 17.9674, 5.0245



16.3635, 17.9674, 53.7186

Square

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



13.8331, 17.9674, 5.0245



10.6461, 17.9674, 31.2974



20.7932, 17.9674, 49.6851



25.6852, 17.9674, 11.2041

Rectangle

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



13.8331, 17.9674, 5.0245



10.2949, 17.9674, 14.0576



20.7932, 17.9674, 49.6851



26.3293, 17.9674, 26.3465

Sweetspot

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



13.8335, 17.9682, 5.0249



30.9166, 34.9636, 26.4359



10.5504, 7.8476, 3.2444



6.9420, 7.9127, 5.7212



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.



13.8335, 17.9682, 5.0249



23.4002, 31.5247, 6.3856



10.0328, 16.0089, 4.8470



4.5759, 4.9733, 4.6389



12.8554, 17.9896, 2.7948



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.4906, 4.2010, 19.8718



9.2316, 4.8541, 35.1947



10.0192, 6.0200, 20.0369



4.1903, 4.2537, 5.4135



4.3421, 1.7921, 20.3670



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.8331, 17.9674, 5.0245 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 13.8331, 17.9674, 5.0245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

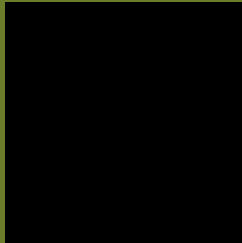
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.8331, 17.9674, 5.0245

Background



This preview shows how black text looks on a background with the XYZ color 13.8331, 17.9674, 5.0245.



This preview shows how white text looks on a background with the XYZ color 13.8331, 17.9674,

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

13.8331, 17.9674, 5.0245

Protanopia

16.2387, 17.9423, 4.7051

Deuteranopia

18.1613, 17.9046, 5.1880



Tritanopia

17.3296, 17.9419, 22.2884

Trichromacy



Original Color

13.8331, 17.9674, 5.0245

Protanomaly

15.2813, 17.9795, 4.8555

Deuteranomaly

16.3702, 17.8254, 5.1626

Tritanomaly

15.6378, 17.7882, 13.6756

Monochromacy



Original Color

13.8331, 17.9674, 5.0245

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.1171, 16.1846, 11.1840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8331, 17.9674, 5.0245 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(107, 125, 43)` looks like.

```
.text, #text, p{  
    color:rgb(107, 125, 43)  
}
```

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(107, 125, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 125, 43) }
```

Border

The CSS property to change the border of an element to XYZ 13.8331, 17.9674, 5.0245 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(107, 125, 43) }
```


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

```
.border{ border-color:rgb(107, 125, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 125, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 125, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 125, 43);  
box-shadow:4px 4px 4px 4px rgb(107, 125,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8331, 17.9674, 5.0245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 125, 43) }
```

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

```
.background{ background-color: rgb(107,  
125, 43) }
```

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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