

Converting Colors

XYZ(17.7303, 17.5941, 14.1804)

Have a look what the booklet for
XYZ(17.7303, 17.5941, 14.1804)
contains.

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Color

**XYZ(17.8301, 17.6977,
14.2806)**

Conversions

Conversions Part 1

Format	Color
Hex	857163
RGB	133, 113, 99
RGB Percent	52%, 44%, 39%
CMY	0.4784, 0.5568, 0.6118
CMYK	0.00, 0.15, 0.26, 0.48
HSL	25°, 15%, 45%
HSV	25°, 26%, 52%
XYZ	17.8301, 17.6977, 14.2806
YIQ	117.3840, 16.4140, -0.1140

Conversions

Conversions Part 2

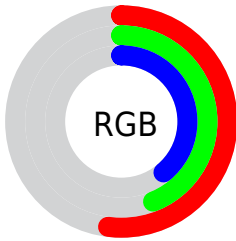
Format	Color
R_{YB}	133, 123, 99
Decimal	8745315
CIE Lab	49.13, 5.50, 10.67
CIE LCh	49, 12.009, 62.720
Yxy	17.6977, 0.3580, 0.3553
Android (android.graphics.Color)	4286935395 (0xFF857163)
YUV	117.3840, -9.0633, 13.6952
Hunter-Lab	42.0686, 2.0342, 9.3215

Details

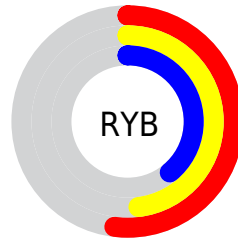
The XYZ color **17.8301, 17.6977, 14.2806** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.9758, 17.5391, 24.7336**, and the grayscale version is **17.0518, 17.9398, 19.5365**.

A 20% lighter version of the original color is **39.4537, 39.6771, 34.4332**, and **6.0774, 5.8675, 4.0610** is the 20% darker color. If you saturate the color by 10%, you get **16.4106, 15.7938, 10.9246**, and if you desaturate by 10%, it is **19.4305, 19.7956, 18.2140**.

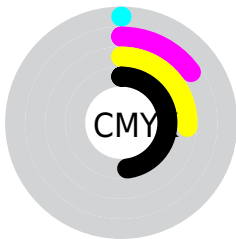
Distribution



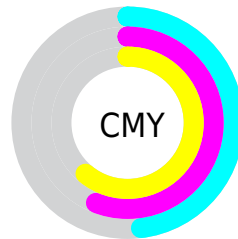
- Red (52%)
- Green (44%)
- Blue (39%)



- Red (52%)
- Yellow (48%)
- Blue (39%)



- Cyan (0%)
- Magenta (15%)
- Yellow (26%)
- Black (48%)



- Cyan (48%)
- Magenta (56%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8301, 17.6977, 14.2806 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 17.8301, 17.6977, 14.2806 by changing the saturation by 10% instead.

■ 17.8301, 17.6977,
14.2806

■ 17.8301, 17.6977,
14.2806

232.9758,
239.1616, 230.4583

■ 10.9270, 10.7332,
8.1751

■ 39.2800, 39.5215,
34.3104

■ 6.0847, 5.8877,
4.1178

■ 54.5575, 55.1496,
49.0717

■ 2.9378, 2.7769,
1.6902

■ 73.3571, 74.4344,
67.5554

■ 1.1210, 1.0164,
0.3540

■ 96.0444, 97.7602,
90.1800

■ 0.0425, 0.0000,
0.0000

122.9845,
125.5114, 117.3641

■ 0.0000, 0.0000,
0.0000

154.5429,

158.0724, 149.5261

191.0849,
195.8277, 187.0847

■ 17.8301, 17.6977,
14.2806

■ 17.8301, 17.6977,
14.2806

■ 16.4106, 15.7938,
10.9246

■ 19.4305, 19.7956,
18.2140

■ 15.1636, 14.0756,
8.1173

■ 21.2170, 22.0906,
22.7495

■ 14.0821, 12.5378,
5.8292

■ 23.1964, 24.5888,
27.9116

■ 13.1579, 11.1739,
4.0275

■ 25.3744, 27.2954,
33.7232

■ 12.3820, 9.9768,
2.6756

■ 27.7569, 30.2152,
40.2059

■ 11.7445, 8.9389,
1.7315

■ 30.3493, 33.3529,
47.3804

■ 11.2308, 8.0507,
1.1315

■ 33.1567, 36.7132,
55.2665

■ 11.0285, 7.6979,
0.9046

■ 36.1841, 40.3005,
63.8832

■ 39.4365, 44.1190,
73.2487

Harmonies

Analogous

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



18.7035, 17.6977, 16.1173



17.8301, 17.6977, 14.2806



16.7189, 17.6977, 13.7304

Triad

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



17.8301, 17.6977, 14.2806



14.7556, 17.6977, 19.5647



18.0152, 17.6977, 24.9534

Complementary

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



17.8301, 17.6977, 14.2806



15.9758, 17.5391, 24.7336

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.



16.9238, 17.6977, 26.1286



17.8301, 17.6977, 14.2806



15.0695, 17.6977, 22.8086

Square

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



17.8301, 17.6977, 14.2806



14.9745, 17.6977, 16.5727



15.8510, 17.6977, 25.3036



18.8137, 17.6977, 22.2446

Rectangle

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



17.8301, 17.6977, 14.2806



16.0010, 17.6977, 14.1111



15.8510, 17.6977, 25.3036



17.6688, 17.6977, 25.5537

Sweetspot

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



17.8306, 17.6985, 14.2810



37.1248, 38.4489, 38.5063



17.4886, 15.2519, 19.6012



8.2660, 8.5369, 8.4255



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.



17.8306, 17.6985, 14.2810



30.3320, 29.5596, 21.7638



19.8545, 21.7464, 14.9556



4.8184, 4.9804, 4.9367



10.5125, 7.3476, 0.8642



0.0433, 0.0393, 0.0053

Inverse Universe

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



15.9758, 17.5391, 24.7336



26.3869, 29.2177, 43.9872



14.1702, 13.9278, 24.1318



4.6450, 4.9657, 5.9144



6.6508, 6.8493, 22.1082



0.0302, 0.0381, 0.0790

Previews

White Background



This preview shows how the XYZ color 17.8301, 17.6977, 14.2806 looks on a white background.

Color Contrast Check

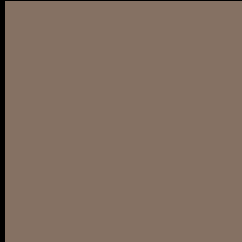
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8301, 17.6977, 14.2806 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 17.8301, 17.6977, 14.2806

Background



This preview shows how black text looks on a background with the XYZ color 17.8301, 17.6977, 14.2806.



This preview shows how white text looks on a background with the XYZ color 17.8301, 17.6977,

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

17.8301, 17.6977, 14.2806

Protanopia

16.8786, 17.8731, 14.8722

Deuteranopia

17.8778, 17.5575, 14.2511



Tritanopia

18.8974, 17.6347, 19.8606

Trichromacy



Original Color

17.8301, 17.6977, 14.2806

Protanomaly

17.2980, 17.9229, 14.6044

Deuteranomaly

17.8778, 17.5575, 14.2511

Tritanomaly

18.4406, 17.6071, 17.7558

Monochromacy



Original Color

17.8301, 17.6977, 14.2806

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.2282, 17.8275, 17.2849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8301, 17.6977, 14.2806 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(133, 113, 99)` looks like.

```
.text, #text, p{  
    color:rgb(133, 113, 99)  
}
```

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(133, 113, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 113, 99) }
```

Border

The CSS property to change the border of an element to XYZ 17.8301, 17.6977, 14.2806 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(133, 113, 99) }
```


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

```
.border{ border-color:rgb(133, 113, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 113, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 113, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 113, 99);  
box-shadow:4px 4px 4px 4px rgb(133, 113,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8301, 17.6977, 14.2806 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 113, 99) }
```

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

```
.background{ background-color: rgb(133,  
113, 99) }
```

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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