

Converting Colors

XYZ(14.3020, 14.9875, 9.3469)

Have a look what the booklet for
XYZ(14.3020, 14.9875, 9.3469)
contains.

XYZ(14.3786, 15.0585, 9.3565)	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(14.3786, 15.0585,
9.3565)**

Conversions

Conversions Part 1

Format	Color
Hex	786B4E
RGB	120, 107, 78
RGB Percent	47%, 42%, 31%
CMY	0.5294, 0.5804, 0.6941
CMYK	0.00, 0.11, 0.35, 0.53
HSL	41°, 21%, 39%
HSV	41°, 35%, 47%
XYZ	14.3786, 15.0585, 9.3565
YIQ	107.5810, 17.0570, -6.2630

Conversions

Conversions Part 2

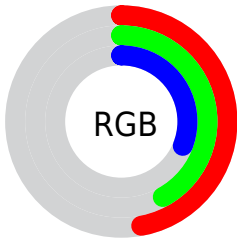
Format	Color
R_{YB}	97, 120, 78
Decimal	7891790
CIE _{Lab}	45.71, 0.41, 18.15
CIE _{LCh}	46, 18.152, 88.712
Yxy	15.0585, 0.3706, 0.3882
Android (android.graphics.Color)	4286081870 (0xFF786B4E)
YUV	107.5810, -14.5834, 10.8915
Hunter-Lab	38.8053, -1.7693, 12.8680

Details

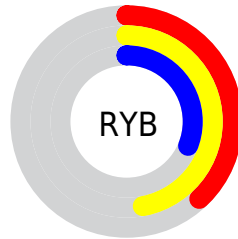
The XYZ color **14.3786, 15.0585, 9.3565** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.2731, 10.4578, 19.2465**, and the grayscale version is **14.1731, 14.9112, 16.2383**.

A 20% lighter version of the original color is **33.2912, 34.8703, 25.0547**, and **4.4889, 4.6811, 2.1058** is the 20% darker color. If you saturate the color by 10%, you get **13.6083, 14.1446, 7.1674**, and if you desaturate by 10%, it is **15.2449, 16.0384, 11.9654**.

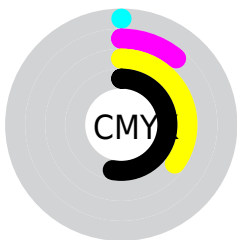
Distribution



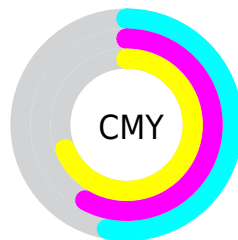
- Red (47%)
- Green (42%)
- Blue (31%)



- Red (38%)
- Yellow (47%)
- Blue (31%)



- Cyan (0%)
- Magenta (11%)
- Yellow (35%)
- Black (53%)



- Cyan (53%)
- Magenta (58%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.3786, 15.0585, 9.3565 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 14.3786, 15.0585, 9.3565 by changing the saturation by 10% instead.

■ 14.3786, 15.0585,
9.3565

■ 14.3786, 15.0585,
9.3565

213.0374,
223.7200, 196.3305

■ 8.4679, 8.8605,
4.8745

■ 33.3400, 34.9558,
25.1665

■ 4.4501, 4.6503,
2.1163

■ 47.1214, 49.4238,
37.3316

■ 1.9598, 2.0436,
0.6255

■ 64.2571, 67.4172,
52.8947

■ 0.6112, 0.6326,
0.0000

■ 85.1124, 89.3205,
72.2744

■ 0.0000, 0.0000,
0.0000

■ 110.0528,
115.5181, 95.8894

139.4435,

146.3942, 124.1580

173.6499,
182.3334, 157.4988

■ 14.3786, 15.0585,
9.3565

■ 14.3786, 15.0585,
9.3565

■ 13.6083, 14.1446,
7.1674

■ 15.2449, 16.0384,
11.9654

■ 12.9283, 13.2926,
5.3745

■ 16.2101, 17.0844,
15.0140

■ 12.3340, 12.5009,
3.9534

■ 17.2785, 18.1988,
18.5220

■ 11.8202, 11.7669,
2.8766

■ 18.4538, 19.3836,
22.5079

■ 11.3805, 11.0878,
2.1127

■ 19.7395, 20.6404,
26.9889

■ 11.0053, 10.4594,
1.6112

■ 21.1387, 21.9708,
31.9814

■ 10.8287, 10.1588,
1.3901

■ 22.6548, 23.3764,
37.5012

■ 24.2907, 24.8587,
43.5631

■ 26.0493, 26.4191,
50.1817

Harmonies

Analogous

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



15.8888, 15.0585, 10.2199



14.3786, 15.0585, 9.3565



12.9507, 15.0585, 10.0829

Triad

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



14.3786, 15.0585, 9.3565



11.8937, 15.0585, 20.7668



16.9654, 15.0585, 21.1515

Complementary

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



14.3786, 15.0585, 9.3565



10.2731, 10.4578, 19.2465

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.



15.7669, 15.0585, 24.9116



14.3786, 15.0585, 9.3565



12.8443, 15.0585, 24.6632

Square

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



14.3786, 15.0585, 9.3565



11.5787, 15.0585, 16.2083



14.2469, 15.0585, 26.2973



17.4462, 15.0585, 16.5854

Rectangle

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



14.3786, 15.0585, 9.3565



12.2220, 15.0585, 11.4592



14.2469, 15.0585, 26.2973



16.6290, 15.0585, 22.5796

Sweetspot

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



14.3790, 15.0592, 9.3568



29.3808, 30.9648, 29.2373



12.3716, 10.2026, 11.2830



6.9127, 7.2858, 6.7644



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



14.3790, 15.0592, 9.3568



24.1886, 25.1858, 13.3083



14.8121, 17.4476, 9.7950



4.2081, 4.4345, 4.2587



11.8005, 11.0569, 1.5122



55.5070, 51.1774, 6.9527

Inverse Universe

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



10.2731, 10.4578, 19.2465



15.8237, 15.8161, 33.4719



9.9249, 8.7693, 18.9390



3.8895, 4.0772, 5.0252



4.4131, 2.9087, 19.7141



20.3754, 12.5234, 93.8131

Previews

White Background



This preview shows how the XYZ color 14.3786, 15.0585, 9.3565 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 14.3786, 15.0585, 9.3565 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 14.3786, 15.0585, 9.3565

Background



This preview shows how black text looks on a background with the XYZ color 14.3786, 15.0585, 9.3565.



This preview shows how white text looks on a background with the XYZ color 14.3786, 15.0585,

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

14.3786, 15.0585, 9.3565

Protanopia

13.9763, 15.0026, 9.5563

Deuteranopia

15.2637, 15.0543, 9.4984



Tritanopia

16.0317, 15.1333, 17.1150

Trichromacy



Original Color

14.3786, 15.0585, 9.3565

Protanomaly

14.1100, 15.0715, 9.5626

Deuteranomaly

14.9203, 15.0276, 9.5114

Tritanomaly

15.3708, 15.0124, 13.8919

Monochromacy



Original Color

14.3786, 15.0585, 9.3565

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.2023, 15.0329, 13.4624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.3786, 15.0585, 9.3565 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(120, 107, 78)` looks like.

```
.text, #text, p{  
    color:rgb(120, 107, 78)  
}
```

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(120, 107, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 107, 78) }
```

Border

The CSS property to change the border of an element to XYZ 14.3786, 15.0585, 9.3565 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(120, 107, 78) }
```


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

```
.border{ border-color:rgb(120, 107, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 107, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 107, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 107, 78);  
box-shadow:4px 4px 4px 4px rgb(120, 107,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 14.3786, 15.0585, 9.3565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 107, 78) }
```

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

```
.background{ background-color: rgb(120,  
107, 78) }
```

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