

Converting Colors

XYZ(13.3332, 12.6648, 8.5793)

Have a look what the booklet for
XYZ(13.3332, 12.6648, 8.5793)
contains.

XYZ(13.3332, 12.6648, 8.5793)	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(13.3332, 12.6648,
8.5793)**

Conversions

Conversions Part 1

Format	Color
Hex	7A5E4C
RGB	122, 94, 76
RGB Percent	48%, 37%, 30%
CMY	0.5216, 0.6314, 0.7020
CMYK	0.00, 0.23, 0.38, 0.52
HSL	23°, 23%, 39%
HSV	23°, 38%, 48%
XYZ	13.3332, 12.6648, 8.5793
YIQ	100.3200, 22.4660, 0.3380

Conversions

Conversions Part 2

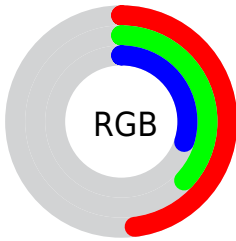
Format	Color
R_{YB}	122, 106, 76
Decimal	8019532
CIE _{Lab}	42.25, 8.70, 14.70
CIE _{LCh}	42, 17.080, 59.363
Yxy	12.6648, 0.3856, 0.3663
Android (android.graphics.Color)	4286209612 (0xFF7A5E4C)
YUV	100.3200, -11.9898, 19.0134
Hunter-Lab	35.5876, 4.5981, 10.6180

Details

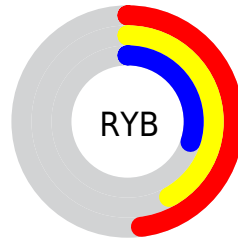
The XYZ color **13.3332, 12.6648, 8.5793** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **11.4434, 12.8416, 20.2877**, and the grayscale version is **12.2208, 12.8573, 14.0016**.

A 20% lighter version of the original color is **31.3541, 30.5411, 23.6445**, and **3.9902, 3.5959, 1.8503** is the 20% darker color. If you saturate the color by 10%, you get **12.3199, 11.2538, 6.3437**, and if you desaturate by 10%, it is **14.4912, 14.2363, 11.2603**.

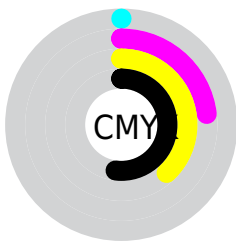
Distribution



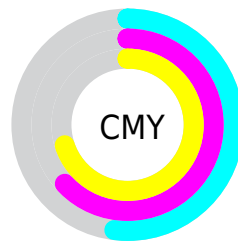
- Red (48%)
- Green (37%)
- Blue (30%)



- Red (48%)
- Yellow (42%)
- Blue (30%)



- Cyan (0%)
- Magenta (23%)
- Yellow (38%)
- Black (52%)





- Cyan (52%)
- Magenta (63%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.3332, 12.6648, 8.5793 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 13.3332, 12.6648, 8.5793 by changing the saturation by 10% instead.


 13.3332, 12.6648,
8.5793


 13.3332, 12.6648,
8.5793

206.6369,
208.7581, 190.3088


 7.7370, 7.1981,
4.3748


 31.4974, 30.7003,
23.6512


 3.9775, 3.5863,
1.8331

 44.7960, 44.0378,
35.3556

 1.6894, 1.4450,
0.4497

 61.3928, 60.7678,
50.3970

 0.4496, 0.2495,
0.0000

 81.6531, 81.2747,
69.1940

 0.0000, 0.0000,
0.0000

 105.9424,
105.9427, 92.1652

134.6258,

135.1564, 119.7290

168.0689,
169.3000, 152.3040

■ 13.3332, 12.6648,
8.5793

■ 13.3332, 12.6648,
8.5793

■ 12.3199, 11.2538,
6.3437

■ 14.4912, 14.2363,
11.2603

■ 11.4439, 9.9960,
4.5282

■ 15.7987, 15.9716,
14.4087

■ 10.6987, 8.8863,
3.1058

■ 17.2618, 17.8761,
18.0458

■ 10.0766, 7.9186,
2.0465

■ 18.8856, 19.9544,
22.1916

■ 9.5693, 7.0862,
1.3154

■ 20.6751, 22.2111,
26.8646

■ 9.1586, 6.3783,
0.8289

■ 22.6351, 24.6504,
32.0828

■ 9.0726, 6.2308,
0.7245

■ 24.7702, 27.2765,
37.8631

■ 27.0847, 30.0933,
44.2216

■ 29.5829, 33.1047,
51.1739

Harmonies

Analogous

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



14.3078, 12.6648, 10.6200



13.3332, 12.6648, 8.5793



12.0649, 12.6648, 7.8836

Triad

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



13.3332, 12.6648, 8.5793



9.7445, 12.6648, 13.7117



13.2826, 12.6648, 20.8746

Complementary

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



13.3332, 12.6648, 8.5793



11.4434, 12.8416, 20.2877

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.



12.0102, 12.6648, 22.0883



13.3332, 12.6648, 8.5793



10.0211, 12.6648, 17.5349

Square

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



13.3332, 12.6648, 8.5793



10.0453, 12.6648, 10.5065



10.8286, 12.6648, 20.7716



14.2771, 12.6648, 17.6945

Rectangle

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



13.3332, 12.6648, 8.5793



11.2413, 12.6648, 8.1606



10.8286, 12.6648, 20.7716



12.8704, 12.6648, 21.5486

Sweetspot

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



13.3335, 12.6654, 8.5796



29.4204, 30.2218, 29.3687



13.1278, 10.3135, 14.4934



6.6649, 6.8295, 6.5604



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.



13.3335, 12.6654, 8.5796



21.9466, 20.1824, 11.7461



15.6491, 17.2966, 9.3514



4.1150, 4.2485, 4.2277



9.5444, 6.5447, 0.7602



44.7512, 29.6659, 3.3674

Inverse Universe

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



11.4434, 12.8416, 20.2877



18.1231, 20.5295, 35.4003



9.4632, 8.8813, 19.6277



3.9816, 4.2615, 5.0559



6.2862, 6.6548, 20.3385



29.1396, 30.0518, 96.7345

Previews

White Background



This preview shows how the XYZ color 13.3332, 12.6648, 8.5793 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 13.3332, 12.6648, 8.5793 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 13.3332, 12.6648, 8.5793

Background



This preview shows how black text looks on a background with the XYZ color 13.3332, 12.6648, 8.5793.



This preview shows how white text looks on a background with the XYZ color 13.3332, 12.6648,

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

13.3332, 12.6648, 8.5793

Protanopia

11.9123, 12.7430, 9.2289

Deuteranopia

12.9586, 12.7391, 8.6134



Tritanopia

14.2579, 12.6491, 13.2453

Trichromacy



Original Color

13.3332, 12.6648, 8.5793

Protanomaly

12.4249, 12.7302, 9.0100

Deuteranomaly

13.0045, 12.6282, 8.5895

Tritanomaly

13.8410, 12.6034, 11.3761

Monochromacy



Original Color

13.3332, 12.6648, 8.5793

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.4404, 12.6788, 11.6891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3332, 12.6648, 8.5793 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(122, 94, 76)` looks like.

```
.text, #text, p{  
    color:rgb(122, 94, 76)  
}
```

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(122, 94, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 94, 76) }
```

Border

The CSS property to change the border of an element to XYZ 13.3332, 12.6648, 8.5793 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(122, 94, 76) }
```


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

```
.border{ border-color:rgb(122, 94, 76) }
```

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

Here you see how a box with a 4 pixel rgb(122, 94, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 94, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 94, 76);  
box-shadow:4px 4px 4px 4px rgb(122, 94,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3332, 12.6648, 8.5793 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 94, 76) }
```

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

```
.background{ background-color: rgb(122, 94,  
76) }
```

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