

Converting Colors

XYZ(23.3725, 21.3597, 17.3841)

Have a look what the booklet for
XYZ(23.3725, 21.3597, 17.3841)
contains.

XYZ(23.3393, 21.3301, 17.3550)	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(23.3393, 21.3301,
17.3550)**

Conversions

Conversions Part 1

Format	Color
Hex	9E766D
RGB	158, 118, 109
RGB Percent	62%, 46%, 43%
CMY	0.3804, 0.5372, 0.5725
CMYK	0.00, 0.25, 0.31, 0.38
HSL	11°, 20%, 52%
HSV	11°, 31%, 62%
XYZ	23.3393, 21.3301, 17.3550
YIQ	128.9340, 26.7290, 5.6810

Conversions

Conversions Part 2

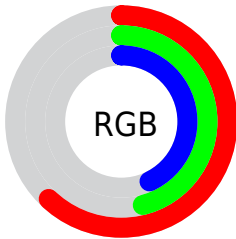
Format	Color
R_{YB}	158, 120, 109
Decimal	10385005
CIE Lab	53.31, 14.36, 11.06
CIE LCh	53, 18.123, 37.607
Yxy	21.3301, 0.3763, 0.3439
Android (android.graphics.Color)	4288575085 (0xFF9E766D)
YUV	128.9340, -9.8275, 25.4909
Hunter-Lab	46.1845, 9.3819, 10.0495

Details

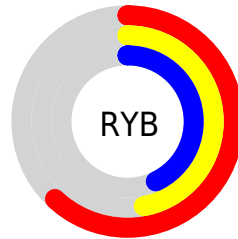
The XYZ color **23.3393, 21.3301, 17.3550** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.2253, 27.2138, 36.3765**, and the grayscale version is **20.8704, 21.9573, 23.9115**.

A 20% lighter version of the original color is **48.4514, 45.5837, 39.5026**, and **8.8233, 7.6073, 5.5607** is the 20% darker color. If you saturate the color by 10%, you get **21.1478, 18.1880, 12.7987**, and if you desaturate by 10%, it is **25.8926, 24.9507, 22.7867**.

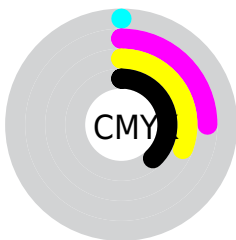
Distribution



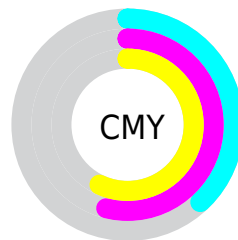
- Red (62%)
- Green (46%)
- Blue (43%)



- Red (62%)
- Yellow (47%)
- Blue (43%)



- Cyan (0%)
- Magenta (25%)
- Yellow (31%)
- Black (38%)





- Cyan (38%)
- Magenta (54%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3393, 21.3301, 17.3550 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 23.3393, 21.3301, 17.3550 by changing the saturation by 10% instead.


 23.3393, 21.3301,
17.3550


 23.3393, 21.3301,
17.3550


261.9659,
259.0276, 249.3227


 14.9663, 13.3655,
10.3233


 48.4124, 45.6363,
39.7341


 8.8819, 7.6807,
5.5054


 65.8433, 62.7466,
55.9186

 4.7207, 3.8913,
2.4829


 87.0241, 83.6744,
75.9911

 2.1174, 1.6130,
0.8311

 112.3203,
108.8039, 100.3702

 0.6987, 0.3663,
0.0000

142.0973,
138.5196, 129.4743

 0.0000, 0.0000,
0.0000

176.7203,

173.2058, 163.7221

216.5547,
213.2471, 203.5321

■ 23.3393, 21.3301,
17.3550

■ 23.3393, 21.3301,
17.3550

■ 21.1478, 18.1880,
12.7987

■ 25.8926, 24.9507,
22.7867

■ 19.2997, 15.5014,
9.0705

■ 28.8213, 29.0657,
29.1351

■ 17.7778, 13.2498,
6.1207

■ 32.1407, 33.6938,
36.4404

■ 16.5624, 11.4101,
3.8937

■ 35.8646, 38.8520,
44.7399

■ 15.6319, 9.9567,
2.3263

■ 40.0060, 44.5564,
54.0692

■ 14.9612, 8.8613,
1.3445

■ 44.5774, 50.8224,
64.4619

■ 14.5407, 8.1494,
0.8066

■ 49.5908, 57.6649,
75.9501

■ 55.0578, 65.0981,
88.5647

■ 60.9894, 73.1358,
102.3352

Harmonies

Analogous

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



24.1550, 21.3301, 21.8540



23.3393, 21.3301, 17.3550



21.7119, 21.3301, 14.7609

Triad

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



23.3393, 21.3301, 17.3550



17.0500, 21.3301, 19.4274



20.7660, 21.3301, 35.3519

Complementary

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



23.3393, 21.3301, 17.3550



23.2253, 27.2138, 36.3765

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.



18.9003, 21.3301, 34.4287



23.3393, 21.3301, 17.3550



16.8320, 21.3301, 24.6519

Square

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



23.3393, 21.3301, 17.3550



18.1044, 21.3301, 15.8192



17.4889, 21.3301, 30.2882



22.6095, 21.3301, 32.6420

Rectangle

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



23.3393, 21.3301, 17.3550



20.4281, 21.3301, 14.1863



17.4889, 21.3301, 30.2882



20.1199, 21.3301, 35.4629

Sweetspot

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



23.3399, 21.3311, 17.3554



53.3924, 54.2557, 55.2129



24.9955, 20.3771, 31.0566



11.8578, 11.9810, 12.0550



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



23.3399, 21.3311, 17.3554



39.6432, 34.8134, 25.7939



26.6061, 27.8635, 18.4442



6.7268, 6.8336, 6.9501



11.6678, 6.5712, 0.6534



0.2324, 0.1651, 0.0196

Inverse Universe

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



23.2253, 27.2138, 36.3765



39.3942, 47.1615, 65.7702



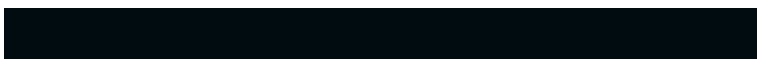
19.7510, 20.2652, 35.2184



6.7182, 7.3021, 8.4620



11.2531, 14.5978, 28.1318



0.2259, 0.3103, 0.5112

Previews

White Background



This preview shows how the XYZ color 23.3393, 21.3301, 17.3550 looks on a white background.

Color Contrast Check

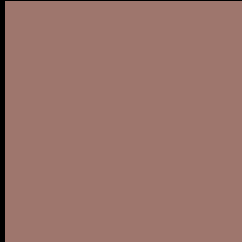
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.3393, 21.3301, 17.3550 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 23.3393, 21.3301, 17.3550

Background



This preview shows how black text looks on a background with the XYZ color 23.3393, 21.3301, 17.3550.



This preview shows how white text looks on a background with the XYZ color 23.3393, 21.3301,

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

23.3393, 21.3301, 17.3550

Protanopia

20.2995, 21.3802, 18.9765

Deuteranopia

21.8224, 21.4517, 17.1778



Tritanopia

24.4443, 21.4450, 22.2530

Trichromacy



Original Color

23.3393, 21.3301, 17.3550

Protanomaly

21.2876, 21.3359, 18.3255

Deuteranomaly

22.3066, 21.3368, 17.1301

Tritanomaly

23.9891, 21.4254, 20.3239

Monochromacy



Original Color

23.3393, 21.3301, 17.3550

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.6617, 21.6478, 21.4491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3393, 21.3301, 17.3550 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(158, 118, 109)` looks like.

```
.text, #text, p{  
    color:rgb(158, 118, 109)  
}
```

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(158, 118, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 118, 109) }
```

Border

The CSS property to change the border of an element to XYZ 23.3393, 21.3301, 17.3550 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(158, 118, 109) }
```


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

```
.border{ border-color:rgb(158, 118, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 118, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 118, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 118, 109);  
box-shadow:4px 4px 4px 4px rgb(158, 118,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3393, 21.3301, 17.3550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 118, 109) }
```

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

```
.background{ background-color: rgb(158,  
118, 109) }
```

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