

Converting Colors

XYZ(39.7845, 33.0625, 20.3547)

Have a look what the booklet for
XYZ(39.7845, 33.0625, 20.3547)
contains.

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Color

**XYZ(39.7828, 33.0128,
20.4950)**

Conversions

Conversions Part 1

Format	Color
Hex	D78773
RGB	215, 135, 115
RGB Percent	84%, 53%, 45%
CMY	0.1569, 0.4706, 0.5490
CMYK	0.00, 0.37, 0.47, 0.16
HSL	12°, 56%, 65%
HSV	12°, 47%, 84%
XYZ	39.7828, 33.0128, 20.4950
YIQ	156.6400, 54.1000, 10.7400

Conversions

Conversions Part 2

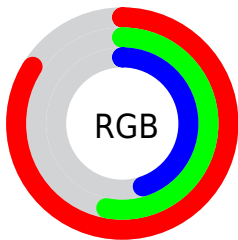
Format	Color
R _Y B	215, 140, 115
Decimal	14124915
CIE Lab	64.17, 28.45, 23.61
CIE LCh	64, 36.968, 39.685
Yxy	33.0128, 0.4264, 0.3539
Android (android.graphics.Color)	4292314995 (0xFFD78773)
YUV	156.6400, -20.5285, 51.1817
Hunter-Lab	57.4568, 23.0432, 19.0708

Details

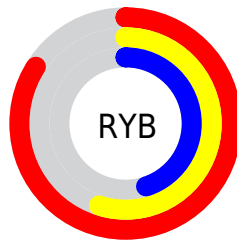
The XYZ color **39.7828, 33.0128, 20.4950** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **38.8501, 47.5792, 71.4259**, and the grayscale version is **31.9591, 33.6235, 36.6160**.

A 20% lighter version of the original color is **66.4126, 60.4452, 44.7260**, and **18.0881, 13.9140, 7.0425** is the 20% darker color. If you saturate the color by 10%, you get **36.4780, 28.1577, 13.9851**, and if you desaturate by 10%, it is **43.7654, 38.7619, 28.6549**.

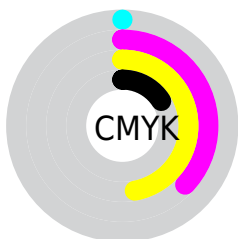
Distribution



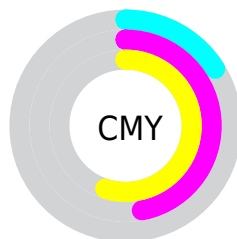
- Red (84%)
- Green (53%)
- Blue (45%)



- Red (84%)
- Yellow (55%)
- Blue (45%)



- Cyan (0%)
- Magenta (37%)
- Yellow (47%)
- Black (16%)





- Cyan (16%)
- Magenta (47%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.7828, 33.0128, 20.4950 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 39.7828, 33.0128, 20.4950 by changing the saturation by 10% instead.


 39.7828, 33.0128,
20.4950


 39.7828, 33.0128,
20.4950


336.3574,
315.7074, 267.2747

 27.5527, 22.1363,
12.5677


 74.1191, 64.3955,
45.1154

 18.1275, 13.9570,
7.0044


 96.9560, 85.6705,
62.6456

 11.1418, 8.0908,
3.3863


 124.0592,
111.1803, 84.2138

 6.2303, 4.1531,
1.2951

155.7941,
141.3095, 110.2386

 3.0276, 1.7596,
0.0578

192.5260,
176.4424, 141.1386

 1.1684, 0.4618,
0.0000

234.6203,

 0.0812, 0.0000,

216.9635, 177.3322

0.0000

282.4423,
263.2570, 219.2381

■ 0.0000, 0.0000,
0.0000

■ 39.7828, 33.0128,
20.4950

■ 39.7828, 33.0128,
20.4950

■ 36.4780, 28.1577,
13.9851

■ 43.7654, 38.7619,
28.6549

■ 33.8097, 24.1463,
9.0099

■ 48.4591, 45.4421,
38.5654

■ 31.7355, 20.9310,
5.4421


■ 53.8979, 53.0943,
50.3216


■ 30.2066, 18.4568,
3.1329


■ 60.1127, 61.7556,
64.0108

■ 29.1641, 16.6610,
1.8942

■ 67.1329, 71.4610,
79.7150

 28.8885, 16.1756,
1.5996

 74.9862, 82.2440,
97.5113

 81.8343, 93.1870,
108.2815

Harmonies

Analogous

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



42.3879, 33.0128, 31.3084



39.7828, 33.0128, 20.4950



35.0052, 33.0128, 15.1154

Triad

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



39.7828, 33.0128, 20.4950



22.8496, 33.0128, 26.8336



33.1025, 33.0128, 72.5279

Complementary

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



39.7828, 33.0128, 20.4950



38.8501, 47.5792, 71.4259

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.



28.0098, 33.0128, 70.3422



39.7828, 33.0128, 20.4950



22.4611, 33.0128, 41.0189

Square

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



39.7828, 33.0128, 20.4950



25.3765, 33.0128, 18.0056



24.2485, 33.0128, 57.6861



38.2575, 33.0128, 63.0210

Rectangle

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



39.7828, 33.0128, 20.4950



31.4330, 33.0128, 14.1309



24.2485, 33.0128, 57.6861



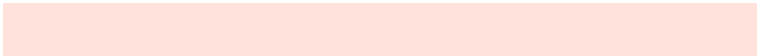
31.3224, 33.0128, 73.1856

Sweetspot

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



39.7836, 33.0144, 20.4956



81.3824, 81.0236, 78.5749



44.0055, 30.6489, 55.2263



17.0128, 16.7741, 15.9291



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



39.7836, 33.0144, 20.4956



53.6663, 41.4154, 20.5531



48.4678, 50.3829, 23.3904



12.6224, 12.8191, 12.9698



17.3391, 9.7954, 0.9768



1.1051, 0.7094, 0.0787

Inverse Universe

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



38.8501, 47.5792, 71.4259



52.0718, 65.3064, 104.4687



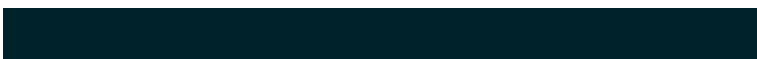
29.4616, 28.8022, 68.2964



12.5714, 13.6661, 15.9128



16.2354, 20.7326, 41.5993



1.0341, 1.3602, 2.5274

Previews

White Background



This preview shows how the XYZ color 39.7828, 33.0128, 20.4950 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 39.7828, 33.0128, 20.4950 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 ✓ Pass

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

XYZ 39.7828, 33.0128, 20.4950

Background



This preview shows how black text looks on a background with the XYZ color 39.7828, 33.0128, 20.4950.



This preview shows how white text looks on a background with the XYZ color 39.7828, 33.0128,

20.4950.

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

39.7828, 33.0128, 20.4950

Protanopia

31.2524, 33.3392, 23.8567

Deuteranopia

33.6797, 32.9790, 19.9197



Tritanopia

41.5393, 32.9074, 29.3617

Trichromacy



Original Color

39.7828, 33.0128, 20.4950

Protanomaly

33.8083, 32.7506, 22.6288

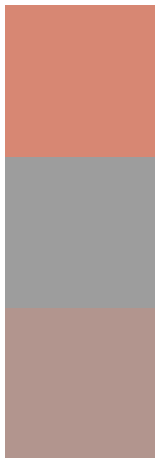
Deuteranomaly

35.7188, 32.8745, 20.0856

Tritanomaly

40.7350, 32.7674, 26.0076

Monochromacy



Original Color

39.7828, 33.0128, 20.4950

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.9900, 32.9129, 30.1525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7828, 33.0128, 20.4950 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(215, 135, 115)` looks like.

```
.text, #text, p{  
    color:rgb(215, 135, 115)  
}
```

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(215, 135, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 135, 115) }
```

Border

The CSS property to change the border of an element to XYZ 39.7828, 33.0128, 20.4950 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(215, 135, 115) }
```


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

```
.border{ border-color:rgb(215, 135, 115) }
```

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

Here you see how a box with a 4 pixel rgb(215, 135, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 135, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 135, 115);  
box-shadow:4px 4px 4px 4px rgb(215, 135,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7828, 33.0128, 20.4950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 135, 115) }
```

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

```
.background{ background-color: rgb(215,  
135, 115) }
```

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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