

Converting Colors

XYZ(37.6793, 33.0625, 22.4698)

Have a look what the booklet for
XYZ(37.6793, 33.0625, 22.4698)
contains.

XYZ(37.8779, 33.2676, 22.5141)	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(37.8779, 33.2676,
22.5141)**

Conversions

Conversions Part 1

Format	Color
Hex	CC8D79
RGB	204, 141, 121
RGB Percent	80%, 55%, 47%
CMY	0.2000, 0.4470, 0.5255
CMYK	0.00, 0.31, 0.41, 0.20
HSL	14°, 45%, 64%
HSV	14°, 41%, 80%
XYZ	37.8779, 33.2676, 22.5141
YIQ	157.5570, 43.9680, 7.1360

Conversions

Conversions Part 2

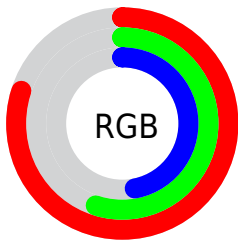
Format	Color
R _Y B	204, 147, 121
Decimal	13405561
CIE Lab	64.38, 21.49, 20.31
CIE LCh	64, 29.576, 43.383
Yxy	33.2676, 0.4044, 0.3552
Android (android.graphics.Color)	4291595641 (0xFFCC8D79)
YUV	157.5570, -18.0226, 40.7305
Hunter-Lab	57.6781, 16.2865, 17.2313

Details

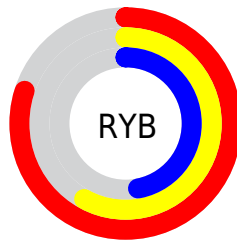
The XYZ color **37.8779, 33.2676, 22.5141** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **35.9240, 42.7039, 63.4759**, and the grayscale version is **32.3646, 34.0501, 37.0805**.

A 20% lighter version of the original color is **68.2979, 63.3073, 48.1550**, and **17.0386, 14.0761, 7.9498** is the 20% darker color. If you saturate the color by 10%, you get **34.6312, 28.5689, 15.8988**, and if you desaturate by 10%, it is **41.7101, 38.7137, 30.6303**.

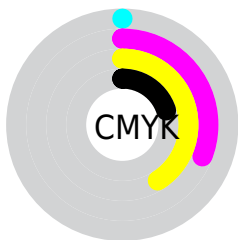
Distribution



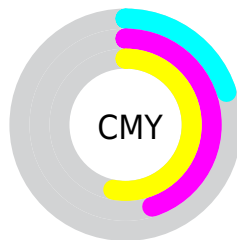
- Red (80%)
- Green (55%)
- Blue (47%)



- Red (80%)
- Yellow (58%)
- Blue (47%)



- Cyan (0%)
- Magenta (31%)
- Yellow (41%)
- Black (20%)





- Cyan (20%)
- Magenta (45%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8779, 33.2676, 22.5141 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 37.8779, 33.2676, 22.5141 by changing the saturation by 10% instead.


 37.8779, 33.2676,
22.5141


 37.8779, 33.2676,
22.5141


328.3858,
316.8538, 278.2600

 26.0647, 22.3315,
14.0332


 71.2261, 64.7931,
48.5073

 17.0050, 14.1007,
8.0048


 93.4917, 86.1513,
66.8566

 10.3334, 8.1907,
4.0102


 119.9723,
111.7523, 89.3326

 5.6845, 4.2172,
1.6309

151.0331,
141.9806, 116.3537

 2.6930, 1.7958,
0.3127

187.0395,
177.2205, 148.3384

 0.9936, 0.4846,
0.0000

228.3569,

 0.0000, 0.0000,

217.8564, 185.7053

0.0000

275.3505,
264.2727, 228.8730

■ 37.8779, 33.2676,
22.5141

■ 37.8779, 33.2676,
22.5141

■ 34.6312, 28.5689,
15.8988

■ 41.7101, 38.7137,
30.6303

■ 31.9374, 24.5798,
10.6896

■ 46.1529, 44.9333,
40.3303

■ 29.7645, 21.2661,
6.7835

■ 51.2332, 51.9571,
51.6936

■ 28.0759, 18.5889,
4.0628

■ 56.9752, 59.8129,
64.7932

■ 26.8297, 16.5050,
2.3879

■ 63.4021, 68.5269,
79.6983

■ 26.0071, 15.0480,
1.5338

■ 70.5359, 78.1241,
96.4739

■ 76.9475, 88.0488,
107.5473

■ 78.7118, 91.5773,
108.1354

Harmonies

Analogous

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



40.1702, 33.2676, 31.1156



37.8779, 33.2676, 22.5141



33.9926, 33.2676, 18.2346

Triad

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



37.8779, 33.2676, 22.5141



24.4776, 33.2676, 29.9871



33.5315, 33.2676, 63.7932

Complementary

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



37.8779, 33.2676, 22.5141



35.9240, 42.7039, 63.4759

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.



29.3602, 33.2676, 63.3004



37.8779, 33.2676, 22.5141



24.3780, 33.2676, 41.8602

Square

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



37.8779, 33.2676, 22.5141



26.3774, 33.2676, 21.8467



26.0921, 33.2676, 54.6017



37.5146, 33.2676, 55.8275

Rectangle

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



37.8779, 33.2676, 22.5141



31.1444, 33.2676, 17.6535



26.0921, 33.2676, 54.6017



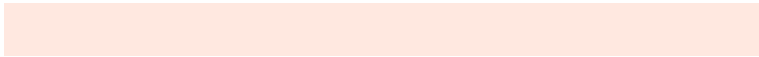
32.1001, 33.2676, 64.6565

Sweetspot

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



37.8787, 33.2692, 22.5148



83.5422, 84.2503, 82.6645



40.4576, 29.9997, 49.3545



17.6344, 17.6925, 17.1377



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.



37.8787, 33.2692, 22.5148



57.8721, 48.0720, 27.3653



45.0538, 47.6193, 24.9064



11.4282, 11.6454, 11.7249



16.4306, 9.5941, 0.9859



0.9086, 0.6170, 0.0712

Inverse Universe

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



35.9240, 42.7039, 63.4759



54.1577, 65.7580, 104.4459



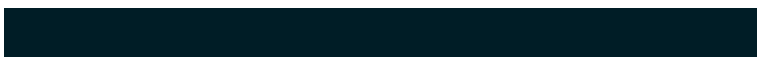
28.6270, 28.1099, 61.0436



11.3053, 12.2510, 14.3392



14.2955, 17.6149, 38.6028



0.7940, 1.0218, 2.0103

Previews

White Background



This preview shows how the XYZ color 37.8779, 33.2676, 22.5141 looks on a white background.

Color Contrast Check

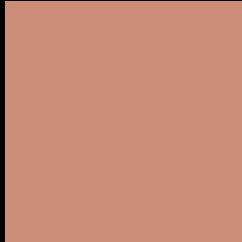
Large Text (above 18pt) WCAG AA × Fail

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 37.8779, 33.2676, 22.5141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

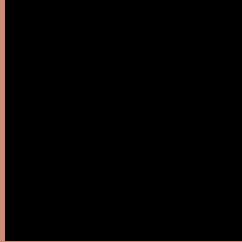
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8779, 33.2676, 22.5141

Background



This preview shows how black text looks on a background with the XYZ color 37.8779, 33.2676, 22.5141.



This preview shows how white text looks on a background with the XYZ color 37.8779, 33.2676,

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

37.8779, 33.2676, 22.5141

Protanopia

31.5106, 33.4424, 25.2163

Deuteranopia

34.0033, 33.3349, 22.0949



Tritanopia

39.7446, 33.1513, 32.3210

Trichromacy



Original Color

37.8779, 33.2676, 22.5141

Protanomaly

33.5907, 33.3172, 24.0625

Deuteranomaly

35.3097, 33.2999, 22.3358

Tritanomaly

38.8528, 32.9911, 28.3649

Monochromacy



Original Color

37.8779, 33.2676, 22.5141

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.0183, 33.6148, 31.4834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8779, 33.2676, 22.5141 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(204, 141, 121) looks like.

```
.text, #text, p{  
    color:rgb(204, 141, 121)  
}
```

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(204, 141, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 141, 121) }
```

Border

The CSS property to change the border of an element to XYZ 37.8779, 33.2676, 22.5141 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(204, 141, 121) }
```


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

```
.border{ border-color:rgb(204, 141, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 141, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 141, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 141, 121);  
box-shadow:4px 4px 4px 4px rgb(204, 141,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8779, 33.2676, 22.5141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 141, 121) }
```

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

```
.background{ background-color: rgb(204,  
141, 121) }
```

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