

Converting Colors

XYZ(37.8526, 35.3992, 22.3986)

Have a look what the booklet for
XYZ(37.8526, 35.3992, 22.3986)
contains.

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Color

**XYZ(37.7893, 35.2867,
22.2721)**

Conversions

Conversions Part 1

Format	Color
Hex	C79677
RGB	199, 150, 119
RGB Percent	78%, 59%, 47%
CMY	0.2196, 0.4117, 0.5333
CMYK	0.00, 0.25, 0.40, 0.22
HSL	23°, 42%, 62%
HSV	23°, 40%, 78%
XYZ	37.7893, 35.2867, 22.2721
YIQ	161.1170, 39.1550, 0.7470

Conversions

Conversions Part 2

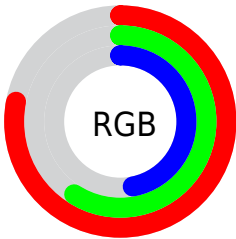
Format	Color
R_{YB}	199, 170, 119
Decimal	13080183
CIE _{Lab}	65.97, 14.34, 23.49
CIE _{LCh}	66, 27.518, 58.603
Yxy	35.2867, 0.3963, 0.3701
Android (android.graphics.Color)	4291270263 (0xFFC79677)
YUV	161.1170, -20.7637, 33.2234
Hunter-Lab	59.4026, 9.5992, 19.3519

Details

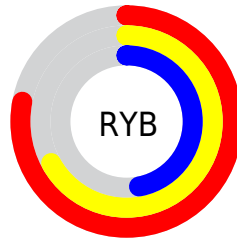
The XYZ color **37.7893, 35.2867, 22.2721** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.9187, 36.0494, 59.3087**, and the grayscale version is **34.0122, 35.7835, 38.9682**.

A 20% lighter version of the original color is **70.1836, 67.3860, 47.8358**, and **16.8950, 15.2055, 7.8388** is the 20% darker color. If you saturate the color by 10%, you get **34.8725, 31.1695, 16.0082**, and if you desaturate by 10%, it is **41.1605, 39.9120, 29.9227**.

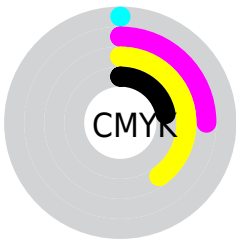
Distribution



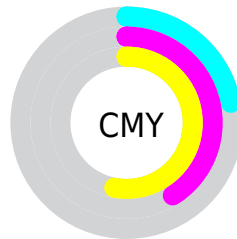
- Red (78%)
- Green (59%)
- Blue (47%)



- Red (78%)
- Yellow (67%)
- Blue (47%)



- Cyan (0%)
- Magenta (25%)
- Yellow (40%)
- Black (22%)





- Cyan (22%)
- Magenta (41%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7893, 35.2867, 22.2721 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 37.7893, 35.2867, 22.2721 by changing the saturation by 10% instead.


 37.7893, 35.2867,
22.2721


 37.7893, 35.2867,
22.2721


328.0118,
325.8320, 276.9637


 25.9957, 23.8838,
13.8567


 71.0911, 67.9297,
48.1033

 16.9531, 15.2475,
7.8835


 93.3299, 89.9385,
66.3561

 10.2961, 8.9932,
3.9338


 119.7812,
116.2515, 88.7253

 5.6595, 4.7368,
1.5891

150.8103,
147.2530, 115.6292

 2.6778, 2.0937,
0.2830

186.7825,
183.3274, 147.4865

 0.9858, 0.6611,
0.0000

228.0633,

 0.0000, 0.0000,

224.8591, 184.7156

0.0000

275.0179,
272.2325, 227.7352

■ 37.7893, 35.2867,
22.2721

■ 37.7893, 35.2867,
22.2721

■ 34.8725, 31.1695,
16.0082

■ 41.1605, 39.9120,
29.9227

■ 32.3854, 27.5368,
11.0439

■ 45.0036, 45.0578,
39.0357

■ 30.3050, 24.3702,
7.2855


■ 49.3385, 50.7424,
49.6835


■ 28.6045, 21.6481,
4.6254


■ 54.1830, 56.9817,
61.9333


■ 27.2530, 19.3467,
2.9367


■ 59.5540, 63.7908,
75.8482

 26.2157, 17.4671,
1.9898

 65.4676, 71.1843,
91.4879

 71.4029, 78.9615,
106.0855

 75.0191, 86.1939,
107.2909

 77.3632, 90.8821,
108.0723

Harmonies

Analogous

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



40.9001, 35.2867, 28.6475



37.7893, 35.2867, 22.2721



33.7304, 35.2867, 20.0690

Triad

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



37.7893, 35.2867, 22.2721



26.2991, 35.2867, 37.8766



37.4321, 35.2867, 61.6851

Complementary

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



37.7893, 35.2867, 22.2721



31.9187, 36.0494, 59.3087

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.



33.3482, 35.2867, 65.5077



37.7893, 35.2867, 22.2721



27.1187, 35.2867, 50.1979

Square

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



37.7893, 35.2867, 22.2721



27.2849, 35.2867, 27.8752



29.6199, 35.2867, 60.9378



40.6824, 35.2867, 51.3392

Rectangle

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



37.7893, 35.2867, 22.2721



31.1007, 35.2867, 20.8348



29.6199, 35.2867, 60.9378



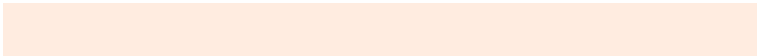
36.1014, 35.2867, 63.8578

Sweetspot

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



37.7902, 35.2884, 22.2728



84.8190, 86.8038, 83.0901



37.2492, 28.1757, 40.6843



17.9336, 18.2908, 17.2374



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.



37.7902, 35.2884, 22.2728



61.7747, 55.5997, 29.5216



45.2244, 50.1568, 24.7509



10.9653, 11.2998, 11.1659



16.9366, 11.3903, 1.3059



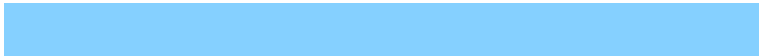
0.8720, 0.6794, 0.0852

Inverse Universe

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



31.9187, 36.0494, 59.3087



50.1094, 57.0732, 102.9829



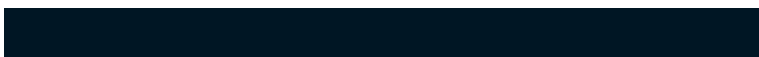
25.6796, 23.5713, 57.2290



10.5883, 11.3506, 13.5503



11.1813, 11.7565, 36.4243



0.5982, 0.6942, 1.7476

Previews

White Background



This preview shows how the XYZ color 37.7893, 35.2867, 22.2721 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 37.7893, 35.2867, 22.2721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

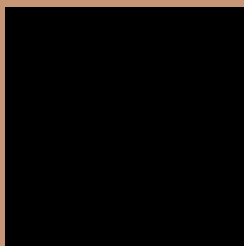
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7893, 35.2867, 22.2721

Background



This preview shows how black text looks on a background with the XYZ color 37.7893, 35.2867, 22.2721.



This preview shows how white text looks on a background with the XYZ color 37.7893, 35.2867,

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

37.7893, 35.2867, 22.2721

Protanopia

33.0035, 35.2548, 24.1342

Deuteranopia

36.0608, 35.3664, 22.0653



Tritanopia

40.7548, 35.3476, 36.1273

Trichromacy



Original Color

37.7893, 35.2867, 22.2721

Protanomaly

34.4574, 35.0058, 23.3531

Deuteranomaly

36.6536, 35.4279, 22.0460

Tritanomaly

39.7488, 35.4072, 30.7259

Monochromacy



Original Color

37.7893, 35.2867, 22.2721

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

34.9245, 35.3032, 32.1676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7893, 35.2867, 22.2721 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(199, 150, 119)` looks like.

```
.text, #text, p{  
    color:rgb(199, 150, 119)  
}
```

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(199, 150, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 150, 119) }
```

Border

The CSS property to change the border of an element to XYZ 37.7893, 35.2867, 22.2721 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(199, 150, 119) }
```


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

```
.border{ border-color:rgb(199, 150, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 150, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 150, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 150, 119);  
box-shadow:4px 4px 4px 4px rgb(199, 150,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7893, 35.2867, 22.2721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 150, 119) }
```

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

```
.background{ background-color: rgb(199,  
150, 119) }
```

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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