

Converting Colors

XYZ(38.6090, 35.7859, 25.3399)

Have a look what the booklet for
XYZ(38.6090, 35.7859, 25.3399)
contains.

XYZ(38.7823, 35.9711, 25.3211)	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(38.7823, 35.9711,
25.3211)**

Conversions

Conversions Part 1

Format	Color
Hex	C89780
RGB	200, 151, 128
RGB Percent	78%, 59%, 50%
CMY	0.2157, 0.4078, 0.4980
CMYK	0.00, 0.24, 0.36, 0.22
HSL	19°, 40%, 64%
HSV	19°, 36%, 78%
XYZ	38.7823, 35.9711, 25.3211
YIQ	163.0290, 36.5870, 3.2350

Conversions

Conversions Part 2

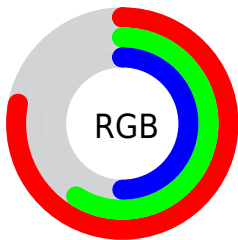
Format	Color
R_{YB}	200, 162, 128
Decimal	13145984
CIE _{Lab}	66.50, 15.26, 19.25
CIE _{LCh}	66, 24.562, 51.594
Yxy	35.9711, 0.3875, 0.3594
Android (android.graphics.Color)	4291336064 (0xFFC89780)
YUV	163.0290, -17.2693, 32.4236
Hunter-Lab	59.9759, 10.4658, 16.9516

Details

The XYZ color **38.7823, 35.9711, 25.3211** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **35.0489, 40.2021, 60.5561**, and the grayscale version is **34.8941, 36.7113, 39.9786**.

A 20% lighter version of the original color is **71.4118, 68.2588, 53.1275**, and **17.4701, 15.6081, 9.4890** is the 20% darker color. If you saturate the color by 10%, you get **35.5282, 31.3660, 18.3694**, and if you desaturate by 10%, it is **42.5506, 41.1891, 33.7251**.

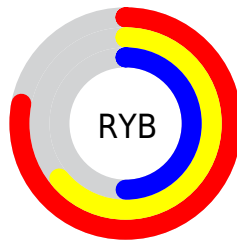
Distribution



Red (78%)

Green (59%)

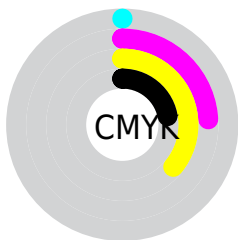
Blue (50%)



Red (78%)

Yellow (64%)

Blue (50%)

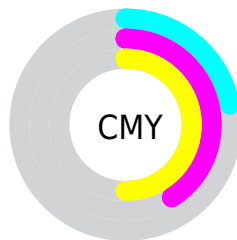


Cyan (0%)

Magenta (24%)

Yellow (36%)

Black (22%)



Cyan (22%)


Magenta (41%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7823, 35.9711, 25.3211 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 38.7823, 35.9711, 25.3211 by changing the saturation by 10% instead.


 38.7823, 35.9711,
25.3211


 38.7823, 35.9711,
25.3211


332.1872,
328.8342, 292.9320


 26.7704, 24.4119,
16.0953


 72.6018, 68.9875,
53.1482

 17.5365, 15.6394,
9.4365


 95.1401, 91.2134,
72.5866

 10.7154, 9.2694,
4.9263


 121.9180,
117.7637, 96.2662

 5.9417, 4.9173,
2.1461

153.3007,
149.0227, 124.6056

 2.8500, 2.1988,
0.6430

189.6536,
185.3749, 158.0234

 1.0749, 0.7194,
0.0000

231.3420,

 0.0040, 0.0000,

227.2046, 196.9380

0.0000

278.7315,
274.8962, 241.7680

■ 0.0000, 0.0000,
0.0000

■ 38.7823, 35.9711,
25.3211

■ 38.7823, 35.9711,
25.3211

■ 35.5282, 31.3660,
18.3694

■ 42.5506, 41.1891,
33.7251

■ 32.7617, 27.3455,
12.7843

■ 46.8526, 47.0370,
43.6560

■ 30.4577, 23.8865,
8.4743

■ 51.7100, 53.5370,
55.1859

■ 28.5876, 20.9621,
5.3358

■ 57.1426, 60.7092,
68.3816

■ 27.1189, 18.5430,
3.2485

■ 63.1689, 68.5724,
83.3061

■ 26.0127, 16.5958,
2.0621

■ 69.8069, 77.1448,
100.0191

■ 25.6472, 15.9350,
1.7240

■ 74.9087, 85.5779,
107.1778

■ 77.6294, 91.0194,
108.0847

Harmonies

Analogous

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



41.2091, 35.9711, 32.1637



38.7823, 35.9711, 25.3211



35.2357, 35.9711, 22.3279

Triad

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



38.7823, 35.9711, 25.3211



27.6488, 35.9711, 36.2744



36.8636, 35.9711, 61.2239

Complementary

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



38.7823, 35.9711, 25.3211



35.0489, 40.2021, 60.5561

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.



33.1641, 35.9711, 62.8626



38.7823, 35.9711, 25.3211



28.0160, 35.9711, 47.1182

Square

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



38.7823, 35.9711, 25.3211



28.9328, 35.9711, 27.8653



29.9743, 35.9711, 57.3148



40.0471, 35.9711, 53.1719

Rectangle

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



38.7823, 35.9711, 25.3211



32.7853, 35.9711, 22.4629



29.9743, 35.9711, 57.3148



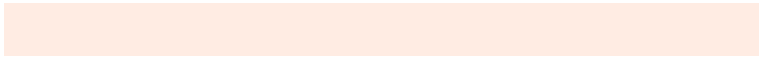
35.6331, 35.9711, 62.5944

Sweetspot

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



38.7832, 35.9728, 25.3218



85.0684, 86.7436, 84.8965



39.4945, 30.9003, 45.5825



17.9630, 18.2383, 17.5909



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.



38.7832, 35.9728, 25.3218



62.7767, 56.1129, 34.4520



45.4437, 49.2938, 27.5420



10.9059, 11.1809, 11.1461



16.3796, 10.2765, 1.1203



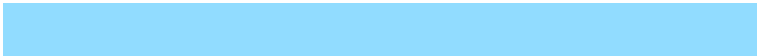
0.8415, 0.6185, 0.0750

Inverse Universe

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



35.0489, 40.2021, 60.5561



55.3731, 64.4402, 104.1275



28.8821, 27.8685, 58.5005



10.6499, 11.4740, 13.5709



12.3194, 14.0328, 36.8036



0.6466, 0.7910, 1.7637

Previews

White Background



This preview shows how the XYZ color 38.7823, 35.9711, 25.3211 looks on a white background.

Color Contrast Check

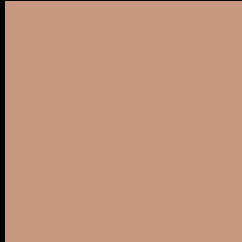
Large Text (above 18pt) WCAG AA × Fail

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 38.7823, 35.9711, 25.3211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

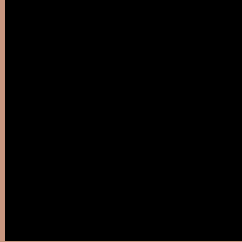
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.7823, 35.9711, 25.3211

Background



This preview shows how black text looks on a background with the XYZ color 38.7823, 35.9711, 25.3211.



This preview shows how white text looks on a background with the XYZ color 38.7823, 35.9711,

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

38.7823, 35.9711, 25.3211

Protanopia

33.9486, 36.1920, 27.3868

Deuteranopia

36.7055, 36.1281, 25.1175



Tritanopia

41.2339, 36.0326, 37.1295

Trichromacy



Original Color

38.7823, 35.9711, 25.3211

Protanomaly

35.6150, 36.0375, 26.5515

Deuteranomaly

37.3787, 35.9810, 25.0536

Tritanomaly

40.2135, 35.8429, 32.4027

Monochromacy



Original Color

38.7823, 35.9711, 25.3211

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.8077, 36.2284, 33.9597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7823, 35.9711, 25.3211 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(200, 151, 128)` looks like.

```
.text, #text, p{  
    color:rgb(200, 151, 128)  
}
```

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(200, 151, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 151, 128) }
```

Border

The CSS property to change the border of an element to XYZ 38.7823, 35.9711, 25.3211 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(200, 151, 128) }
```


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

```
.border{ border-color:rgb(200, 151, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 151, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(200, 151, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(200, 151, 128); box-shadow:4px 4px 4px 4px rgb(200, 151, 128) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7823, 35.9711, 25.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 151, 128) }
```

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

```
.background{ background-color: rgb(200,  
151, 128) }
```

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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