

Converting Colors

XYZ(38.5110, 39.8366, 21.0805)

Have a look what the booklet for
XYZ(38.5110, 39.8366, 21.0805)
contains.

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Color

**XYZ(38.5532, 39.7797,
20.9755)**

Conversions

Conversions Part 1

Format	Color
Hex	C1A670
RGB	193, 166, 112
RGB Percent	76%, 65%, 44%
CMY	0.2431, 0.3490, 0.5608
CMYK	0.00, 0.14, 0.42, 0.24
HSL	40°, 40%, 60%
HSV	40°, 42%, 76%
XYZ	38.5532, 39.7797, 20.9755
YIQ	167.9170, 33.4260, -11.0700

Conversions

Conversions Part 2

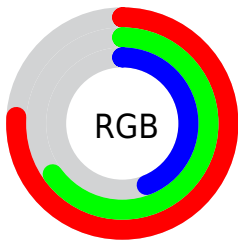
Format	Color
RYB	153, 193, 112
Decimal	12691056
CIELab	69.31, 2.40, 31.58
CIELCh	69, 31.672, 85.662
Yxy	39.7797, 0.3882, 0.4006
Android (android.graphics.Color)	4290881136 (0xFFC1A670)
YUV	167.9170, -27.5671, 21.9978
Hunter-Lab	63.0712, -1.2637, 24.4318

Details

The XYZ color **38.5532, 39.7797, 20.9755** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.5402, 25.7595, 54.0782**, and the grayscale version is **37.2990, 39.2415, 42.7340**.

A 20% lighter version of the original color is **72.3410, 74.9025, 45.7668**, and **17.3957, 17.7968, 7.2209** is the 20% darker color. If you saturate the color by 10%, you get **36.4518, 37.1161, 15.5297**, and if you desaturate by 10%, it is **40.9455, 42.6561, 27.6555**.

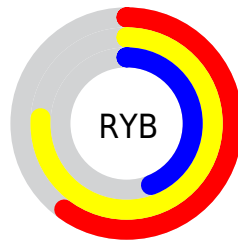
Distribution



Red (76%)

Green (65%)

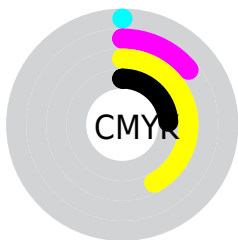
Blue (44%)



Red (60%)

Yellow (76%)

Blue (44%)

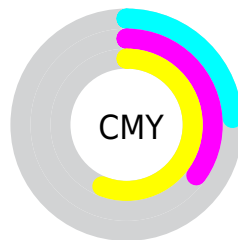


Cyan (0%)

Magenta (14%)

Yellow (42%)

Black (24%)



Cyan (24%)

Magenta (35%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5532, 39.7797, 20.9755 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 38.5532, 39.7797, 20.9755 by changing the saturation by 10% instead.

■ 38.5532, 39.7797,
20.9755

■ 38.5532, 39.7797,
20.9755

331.2271,
345.1942, 269.9250

■ 26.5915, 27.3668,
12.9150

■ 72.2537, 74.8279,
45.9270

■ 17.4016, 17.8489,
7.2400

■ 94.7232, 98.2321,
63.6551

■ 10.6183, 10.8416,
3.5319

■ 121.4260,
126.0688, 85.4429

■ 5.8762, 5.9604,
1.3723

■ 152.7275,
158.7224, 111.7088

■ 2.8099, 2.8210,
0.1199

188.9930,
196.5773, 142.8715

■ 1.0540, 1.0390,
0.0000

230.5878,

■ 0.0000, 0.0000,

240.0180, 179.3493

0.0000

277.8774,
289.4288, 221.5610

■ 38.5532, 39.7797,
20.9755

■ 38.5532, 39.7797,
20.9755

■ 36.4518, 37.1161,
15.5297

■ 40.9455, 42.6561,
27.6555

■ 34.6225, 34.6522,
11.2371

■ 43.6399, 45.7469,
35.6388

■ 33.0489, 32.3814,
8.0109

■ 46.6510, 49.0604,
44.9923

■ 31.7112, 30.2944,
5.7508

■ 49.9909, 52.6030,
55.7776

■ 30.5856, 28.3803,
4.3368

■ 53.6716, 56.3807,
68.0525

■ 29.8001, 26.9529,
3.6318

■ 57.7040, 60.3989,
81.8714

■ 62.0986, 64.6633,
97.2864

■ 64.9749, 68.4226,
104.3901

■ 66.6701, 71.8129,
104.9551

Harmonies

Analogous

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



43.5923, 39.7797, 24.0743



38.5532, 39.7797, 20.9755



33.7344, 39.7797, 22.6718

Triad

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



38.5532, 39.7797, 20.9755



29.6694, 39.7797, 56.5952



46.4638, 39.7797, 61.0904

Complementary

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



38.5532, 39.7797, 20.9755



25.5402, 25.7595, 54.0782

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.



42.2001, 39.7797, 73.7446



38.5532, 39.7797, 20.9755



32.5620, 39.7797, 70.7680

Square

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



38.5532, 39.7797, 20.9755



28.8805, 39.7797, 41.2313



37.0753, 39.7797, 77.6317



48.4117, 39.7797, 45.4643

Rectangle

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



38.5532, 39.7797, 20.9755



31.2435, 39.7797, 26.5539



37.0753, 39.7797, 77.6317



45.2363, 39.7797, 65.9583

Sweetspot

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



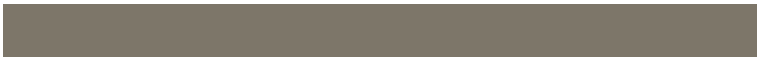
38.5542, 39.7816, 20.9763



82.8545, 87.1124, 78.3751



32.4470, 24.7903, 27.5014



17.5101, 18.3998, 15.9819



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



38.5542, 39.7816, 20.9763



65.7054, 67.0218, 28.8587



40.7010, 48.9534, 22.6335



10.6215, 11.1744, 10.6589



19.8965, 18.0787, 2.4409



0.9209, 0.9035, 0.1259

Inverse Universe

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



25.5402, 25.7595, 54.0782



39.4342, 38.7408, 95.7596



23.9509, 19.8368, 53.0187



9.7965, 10.2843, 12.7536



7.7001, 5.1568, 34.1461



0.3968, 0.3511, 1.4967

Previews

White Background



This preview shows how the XYZ color 38.5532, 39.7797, 20.9755 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 38.5532, 39.7797, 20.9755 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 38.5532, 39.7797, 20.9755

Background



This preview shows how black text looks on a background with the XYZ color 38.5532, 39.7797, 20.9755.



This preview shows how white text looks on a background with the XYZ color 38.5532, 39.7797,

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

38.5532, 39.7797, 20.9755

Protanopia

36.9358, 39.7585, 21.3502

Deuteranopia

40.5296, 39.7294, 21.1552



Tritanopia

43.3020, 39.8787, 43.9432

Trichromacy



Original Color

38.5532, 39.7797, 20.9755

Protanomaly

37.4768, 39.7623, 21.3224

Deuteranomaly

39.6310, 39.5288, 21.1638

Tritanomaly

41.4513, 39.9130, 34.3734

Monochromacy



Original Color

38.5532, 39.7797, 20.9755

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.2955, 39.1227, 33.6027

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5532, 39.7797, 20.9755 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(193, 166, 112)` looks like.

```
.text, #text, p{  
    color:rgb(193, 166, 112)  
}
```

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(193, 166, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 166, 112) }
```

Border

The CSS property to change the border of an element to XYZ 38.5532, 39.7797, 20.9755 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(193, 166, 112) }
```


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

```
.border{ border-color:rgb(193, 166, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 166, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 166, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 166, 112);  
box-shadow:4px 4px 4px 4px rgb(193, 166,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5532, 39.7797, 20.9755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 166, 112) }
```

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

```
.background{ background-color: rgb(193,  
166, 112) }
```

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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