

Converting Colors

XYZ(39.6915, 40.9476, 20.4323)

Have a look what the booklet for
XYZ(39.6915, 40.9476, 20.4323)
contains.

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Color

**XYZ(39.5821, 40.8668,
20.5537)**

Conversions

Conversions Part 1

Format	Color
Hex	C4A86E
RGB	196, 168, 110
RGB Percent	77%, 66%, 43%
CMY	0.2314, 0.3412, 0.5686
CMYK	0.00, 0.14, 0.44, 0.23
HSL	40°, 42%, 60%
HSV	40°, 44%, 77%
XYZ	39.5821, 40.8668, 20.5537
YIQ	169.7600, 35.3060, -12.1020

Conversions

Conversions Part 2

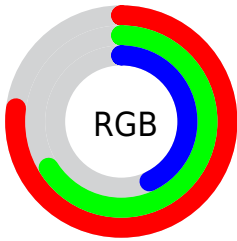
Format	Color
RYB	152, 196, 110
Decimal	12888174
CIELab	70.08, 2.34, 33.69
CIElCh	70, 33.770, 86.027
Yxy	40.8668, 0.3919, 0.4046
Android (android.graphics.Color)	4291078254 (0xFFC4A86E)
YUV	169.7600, -29.4617, 23.0125
Hunter-Lab	63.9271, -1.3497, 25.6862

Details

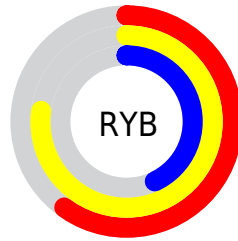
The XYZ color **39.5821, 40.8668, 20.5537** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **25.4825, 25.4767, 55.7991**, and the grayscale version is **38.2195, 40.2099, 43.7886**.

A 20% lighter version of the original color is **73.7823, 76.4548, 45.0509**, and **18.0722, 18.4904, 7.0314** is the 20% darker color. If you saturate the color by 10%, you get **37.4819, 38.1894, 15.1585**, and if you desaturate by 10%, it is **41.9782, 43.7580, 27.2129**.

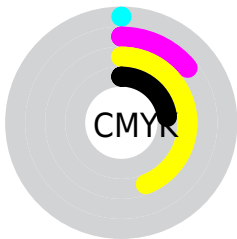
Distribution



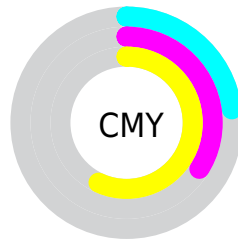
- Red (77%)
- Green (66%)
- Blue (43%)



- Red (60%)
- Yellow (77%)
- Blue (43%)



- Cyan (0%)
- Magenta (14%)
- Yellow (44%)
- Black (23%)





- Cyan (23%)
- Magenta (34%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.5821, 40.8668, 20.5537 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 39.5821, 40.8668, 20.5537 by changing the saturation by 10% instead.


 39.5821, 40.8668,
20.5537


 39.5821, 40.8668,
20.5537


335.5237,
349.7636, 267.5997


 27.3956, 28.2150,
12.6101


 73.8151, 76.4817,
45.2147


 18.0087, 18.4878,
7.0331


 96.5924, 100.2135,
62.7692

 11.0560, 11.3008,
3.4040


 123.6306,
128.4075, 84.3643

 6.1721, 6.2695,
1.3045

 155.2952,
161.4481, 110.4188

 2.9916, 3.0096,
0.0654

191.9514,
199.7196, 141.3510

 1.1493, 1.1368,
0.0000

233.9647,

 0.0658, 0.0091,

243.6064, 177.5795

0.0000

281.7003,
293.4929, 219.5229

■ 0.0000, 0.0000,
0.0000

■ 39.5821, 40.8668,
20.5537

■ 39.5821, 40.8668,
20.5537

■ 37.4819, 38.1894,
15.1585

■ 41.9782, 43.7580,
27.2129

■ 35.6580, 35.7122,
10.9417

■ 44.6822, 46.8647,
35.2091

■ 34.0929, 33.4284,
7.8108

■ 47.7092, 50.1956,
44.6128

■ 32.7654, 31.3281,
5.6583

■ 51.0721, 53.7572,
55.4887

■ 31.6500, 29.3997,
4.3544

■ 54.7831, 57.5554,
67.8976

■ 31.0429, 28.2915,
3.8247

■ 58.8539, 61.5963,
81.8966

■ 63.2954, 65.8852,
97.5401

■ 66.1591, 69.6440,
104.5634

■ 67.8562, 73.0383,
105.1291

Harmonies

Analogous

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



45.0756, 40.8668, 23.7620



39.5821, 40.8668, 20.5537



34.3723, 40.8668, 22.4036

Triad

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



39.5821, 40.8668, 20.5537



30.0707, 40.8668, 59.1999



48.3185, 40.8668, 63.7193

Complementary

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



39.5821, 40.8668, 20.5537



25.4825, 25.4767, 55.7991

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.



43.6847, 40.8668, 77.7512



39.5821, 40.8668, 20.5537



33.2125, 40.8668, 74.7381

Square

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



39.5821, 40.8668, 20.5537



29.1941, 40.8668, 42.4256



38.1125, 40.8668, 82.1961



50.4125, 40.8668, 46.6347

Rectangle

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



39.5821, 40.8668, 20.5537



31.6991, 40.8668, 26.5642



38.1125, 40.8668, 82.1961



46.9861, 40.8668, 69.0931

Sweetspot

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



39.5831, 40.8687, 20.5545



86.8182, 91.3529, 82.0589



32.9771, 24.7424, 27.3367



18.3064, 19.2547, 16.6892



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.



39.5831, 40.8687, 20.5545



67.9164, 69.2032, 27.4996



41.7674, 50.5103, 22.3004



10.6281, 11.1877, 10.6612



20.0274, 18.3406, 2.4845



0.9258, 0.9134, 0.1275

Inverse Universe

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



25.4825, 25.4767, 55.7991



39.0228, 37.6980, 99.8275



23.9006, 19.4478, 54.7187



9.7901, 10.2715, 12.7514



7.6435, 5.0434, 34.1272



0.3939, 0.3452, 1.4958

Previews

White Background



This preview shows how the XYZ color 39.5821, 40.8668, 20.5537 looks on a white background.

Color Contrast Check

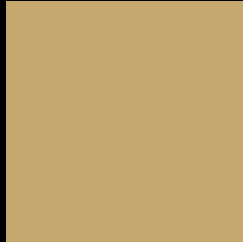
Large Text (above 18pt) WCAG AA × Fail

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 39.5821, 40.8668, 20.5537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

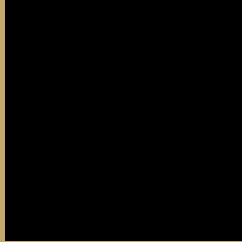
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.5821, 40.8668, 20.5537

Background



This preview shows how black text looks on a background with the XYZ color 39.5821, 40.8668, 20.5537.



This preview shows how white text looks on a background with the XYZ color 39.5821, 40.8668,

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

39.5821, 40.8668, 20.5537

Protanopia

37.6819, 40.7126, 20.9112

Deuteranopia

41.5983, 40.8204, 20.7256



Tritanopia

44.4708, 40.7153, 45.0501

Trichromacy



Original Color

39.5821, 40.8668, 20.5537

Protanomaly

38.4792, 40.8443, 20.8946

Deuteranomaly

40.6815, 40.6145, 20.7342

Tritanomaly

42.4216, 40.6758, 34.4695

Monochromacy



Original Color

39.5821, 40.8668, 20.5537

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.1237, 40.0978, 33.7473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5821, 40.8668, 20.5537 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(196, 168, 110)` looks like.

```
.text, #text, p{  
    color:rgb(196, 168, 110)  
}
```

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(196, 168, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 168, 110) }
```

Border

The CSS property to change the border of an element to XYZ 39.5821, 40.8668, 20.5537 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(196, 168, 110) }
```


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

```
.border{ border-color:rgb(196, 168, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 168, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 168, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 168, 110);  
box-shadow:4px 4px 4px 4px rgb(196, 168,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5821, 40.8668, 20.5537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 168, 110) }
```

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

```
.background{ background-color: rgb(196,  
168, 110) }
```

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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