

Converting Colors

XYZ(37.3709, 39.3425, 9.6141)

Have a look what the booklet for
XYZ(37.3709, 39.3425, 9.6141)
contains.

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Color

**XYZ(37.4259, 39.4482,
9.6447)**

Conversions

Conversions Part 1

Format	Color
Hex	C5A63A
RGB	197, 166, 58
RGB Percent	77%, 65%, 23%
CMY	0.2275, 0.3490, 0.7725
CMYK	0.00, 0.16, 0.71, 0.23
HSL	47°, 55%, 50%
HSV	47°, 71%, 77%
XYZ	37.4259, 39.4482, 9.6447
YIQ	162.9570, 53.1440, -27.0160

Conversions

Conversions Part 2

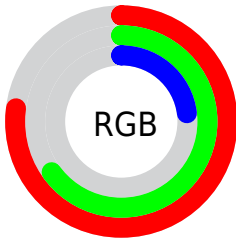
Format	Color
RYB	98, 197, 58
Decimal	12953146
CIELab	69.07, -0.22, 57.53
CIELCh	69, 57.527, 90.222
Yxy	39.4482, 0.4326, 0.4559
Android (android.graphics.Color)	4291143226 (0xFFC5A63A)
YUV	162.9570, -51.7438, 29.8557
Hunter-Lab	62.8078, -3.5491, 34.8610

Details

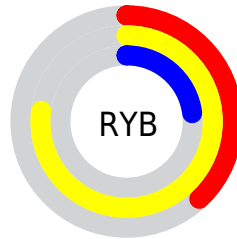
The XYZ color **37.4259, 39.4482, 9.6447** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **15.3953, 12.0752, 54.3424**, and the grayscale version is **35.0124, 36.8358, 40.1142**.

A 20% lighter version of the original color is **69.9657, 74.1206, 25.6580**, and **16.7782, 17.7504, 2.5419** is the 20% darker color. If you saturate the color by 10%, you get **36.2328, 37.7165, 7.2298**, and if you desaturate by 10%, it is **38.8398, 41.3150, 13.0796**.

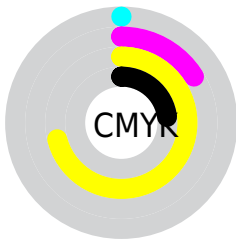
Distribution



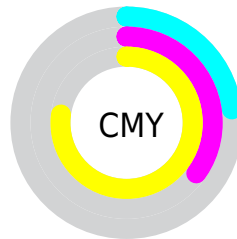
- Red (77%)
- Green (65%)
- Blue (23%)



- Red (38%)
- Yellow (77%)
- Blue (23%)



- Cyan (0%)
- Magenta (16%)
- Yellow (71%)
- Black (23%)





- Cyan (23%)
- Magenta (35%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4259, 39.4482, 9.6447 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 37.4259, 39.4482, 9.6447 by changing the saturation by 10% instead.


 37.4259, 39.4482,
9.6447


 37.4259, 39.4482,
9.6447


326.4744,
343.7923, 198.5089


 25.7126, 27.1086,
5.0615


 70.5369, 74.3225,
25.7223

 16.7403, 17.6548,
2.2240


 92.6654, 97.6260,
38.0538


 10.1437, 10.7024,
0.6882


 118.9962,
125.3529, 53.8052

 5.5573, 5.8671,
0.0000

 149.8949,
157.8876, 73.3950

 2.6159, 2.7644,
0.0000

 185.7267,
195.6145, 97.2417

 0.9541, 1.0100,
0.0000

 226.8569,

 0.0000, 0.0000,

238.9180, 125.7639

0.0000

273.6511,
288.1824, 159.3801

■ 37.4259, 39.4482,
9.6447

■ 37.4259, 39.4482,
9.6447

■ 36.2328, 37.7165,
7.2298

■ 38.8398, 41.3150,
13.0796

■ 35.2342, 36.1042,
5.7103

■ 40.4917, 43.3195,
17.6355

■ 34.4287, 34.6760,
4.8786

■ 42.3998, 45.4709,
23.4036

■ 44.5798, 47.7761,
30.4651

■ 47.0460, 50.2410,
38.8943

■ 49.8117, 52.8714,
48.7597

■ 52.8893, 55.6727,
60.1252

■ 56.2904, 58.6499,
73.0508

■ 60.0260, 61.8078,
87.5934

Harmonies

Analogous

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



46.9585, 39.4482, 12.3257



37.4259, 39.4482, 9.6447



29.2950, 39.4482, 12.4112

Triad

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



37.4259, 39.4482, 9.6447



24.2202, 39.4482, 73.7428



54.9905, 39.4482, 73.2569

Complementary

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



37.4259, 39.4482, 9.6447



15.3953, 12.0752, 54.3424

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.



47.0964, 39.4482, 103.0905



37.4259, 39.4482, 9.6447



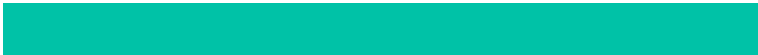
29.3957, 39.4482, 103.4424

Square

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



37.4259, 39.4482, 9.6447



22.4719, 39.4482, 43.1488



37.5628, 39.4482, 115.9001



58.0532, 39.4482, 42.7566

Rectangle

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



37.4259, 39.4482, 9.6447



25.5021, 39.4482, 18.0532



37.5628, 39.4482, 115.9001



52.7567, 39.4482, 84.0787

Sweetspot

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



37.4268, 39.4501, 9.6455



83.9039, 89.6348, 68.4153



26.4032, 15.6424, 11.3981



17.6849, 18.9156, 13.6950



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.



37.4268, 39.4501, 9.6455



63.8262, 65.8662, 11.2044



35.2140, 47.7046, 11.3554



11.3156, 12.0002, 11.2826



22.7099, 22.9370, 3.2303



1.1262, 1.1879, 0.1699

Inverse Universe

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



15.3953, 12.0752, 54.3424



22.2331, 14.3858, 96.2127



16.3177, 9.4943, 53.7956



10.2453, 10.6647, 13.4360



7.2716, 3.9371, 35.1210



0.4003, 0.2984, 1.6816

Previews

White Background



This preview shows how the XYZ color 37.4259, 39.4482, 9.6447 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 37.4259, 39.4482, 9.6447 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 37.4259, 39.4482, 9.6447

Background



This preview shows how black text looks on a background with the XYZ color 37.4259, 39.4482, 9.6447.



This preview shows how white text looks on a background with the XYZ color 37.4259, 39.4482,

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

37.4259, 39.4482, 9.6447

Protanopia

35.9637, 39.5105, 9.8685

Deuteranopia

40.2504, 39.3167, 9.7424



Tritanopia

43.8732, 39.2118, 41.8155

Trichromacy



Original Color

37.4259, 39.4482, 9.6447

Protanomaly

36.5303, 39.5275, 9.8419

Deuteranomaly

39.1633, 39.2782, 9.6550

Tritanomaly

40.5860, 38.8851, 25.4451

Monochromacy



Original Color

37.4259, 39.4482, 9.6447

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.6563, 37.1455, 24.7453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4259, 39.4482, 9.6447 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(197, 166, 58)` looks like.

```
.text, #text, p{  
    color:rgb(197, 166, 58)  
}
```

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(197, 166, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 166, 58) }
```

Border

The CSS property to change the border of an element to XYZ 37.4259, 39.4482, 9.6447 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(197, 166, 58) }
```


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

```
.border{ border-color:rgb(197, 166, 58) }
```

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

Here you see how a box with a 4 pixel rgb(197, 166, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 166, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 166, 58);  
box-shadow:4px 4px 4px 4px rgb(197, 166,  
58) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4259, 39.4482, 9.6447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 166, 58) }
```

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

```
.background{ background-color: rgb(197,  
166, 58) }
```

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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