

# Converting Colors

XYZ(44.5211, 40.4142, 10.7020)

Have a look what the booklet for  
XYZ(44.5211, 40.4142, 10.7020)  
contains.

<b>XYZ(44.5801, 40.5131, 10.7804)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(44.5801, 40.5131,  
10.7804)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E39C43
RGB	227, 156, 67
RGB Percent	89%, 61%, 26%
CMY	0.1098, 0.3882, 0.7372
CMYK	0.00, 0.31, 0.70, 0.11
HSL	33°, 74%, 58%
HSV	33°, 70%, 89%
XYZ	44.5801, 40.5131, 10.7804
YIQ	167.0830, 70.8850, -12.6270

# Conversions

## Conversions Part 2

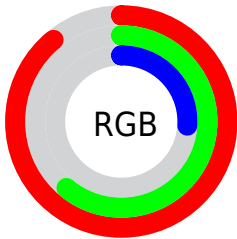
Format	Color
<a href="#">RYB</a>	<a href="#">195, 227, 67</a>
Decimal	<a href="#">14916675</a>
CIELab	<a href="#">69.83, 18.51, 55.46</a>
CIElCh	<a href="#">70, 58.472, 71.545</a>
Yxy	<a href="#">40.5131, 0.4650, 0.4226</a>
Android (android.graphics.Color)	<a href="#">4293106755 (0xFFE39C43)</a>
YUV	<a href="#">167.0830, -49.3409, 52.5472</a>
Hunter-Lab	<a href="#">63.6499, 13.6333, 34.5130</a>

# Details

The XYZ color **44.5801, 40.5131, 10.7804** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **25.2678, 24.9150, 76.1497**, and the grayscale version is **36.9809, 38.9067, 42.3694**.

A 20% lighter version of the original color is **67.8640, 69.1804, 27.2291**, and **21.0318, 18.3362, 2.6605** is the 20% darker color. If you saturate the color by 10%, you get **42.4074, 37.0524, 7.3296**, and if you desaturate by 10%, it is **47.1616, 44.3650, 15.6843**.

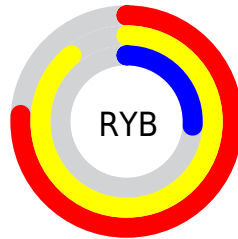
# Distribution



Red (89%)

Green (61%)

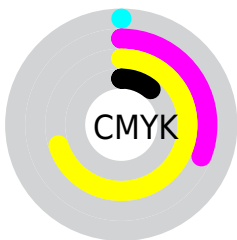
Blue (26%)



Red (76%)

Yellow (89%)

Blue (26%)

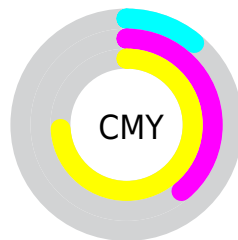


Cyan (0%)

Magenta (31%)

Yellow (70%)

Black (11%)



Cyan (11%)

Magenta (39%)

Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.5801, 40.5131, 10.7804 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 44.5801, 40.5131, 10.7804 by changing the saturation by 10% instead.



44.5801, 40.5131,  
10.7804

44.5801, 40.5131,  
10.7804

355.8827,  
348.2815, 206.8378

31.3267, 27.9388,  
5.8071

81.3309, 75.9442,  
27.8838

21.0008, 18.2796,  
2.6612

105.5590, 99.5698,  
40.8509

13.2370, 11.1509,  
0.9238

134.1760,  
127.6480, 57.3197

7.6701, 6.1684,  
0.0000

167.5473,  
160.5632, 77.7087

3.9346, 2.9478,  
0.0000

206.0383,  
198.6998, 102.4365

1.6652, 1.1045,  
0.0000

250.0143,

0.4343, 0.0000,

242.4420, 131.9216

0.0000

299.8406,  
292.1745, 166.5825

■ 0.0000, 0.0000,  
0.0000

■ 44.5801, 40.5131,  
10.7804

■ 44.5801, 40.5131,  
10.7804

■ 42.4074, 37.0524,  
7.3296

■ 47.1616, 44.3650,  
15.6843

■ 40.6040, 33.9566,  
5.1534

■ 50.1803, 48.6195,  
22.1868

■ 39.1745, 31.3232,  
3.9813

■ 53.6647, 53.2949,  
30.4181

■ 57.6395, 58.4059,  
40.4942

■ 62.1277, 63.9665,  
52.5211

67.1507, 69.9898,  
66.5966

72.7282, 76.4882,  
82.8117

78.8792, 83.4736,  
101.2522

82.8842, 89.8626,  
107.5845

# Harmonies

## Analogous

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



53.8509, 40.5131, 17.7279



44.5801, 40.5131, 10.7804



34.9670, 40.5131, 10.1552

# Triad

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



44.5801, 40.5131, 10.7804



23.2456, 40.5131, 55.4253



51.9281, 40.5131, 95.9589

# Complementary

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



44.5801, 40.5131, 10.7804



25.2678, 24.9150, 76.1497

# 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.



42.2771, 40.5131, 117.7320



44.5801, 40.5131, 10.7804



26.3947, 40.5131, 88.6691

# Square

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



44.5801, 40.5131, 10.7804



23.6548, 40.5131, 29.5435



33.0112, 40.5131, 114.6209



58.5507, 40.5131, 62.8210



# Rectangle

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



44.5801, 40.5131, 10.7804



29.7230, 40.5131, 12.8717



33.0112, 40.5131, 114.6209



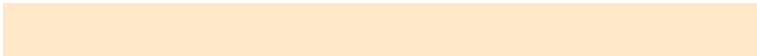
48.8694, 40.5131, 105.3617

# Sweetspot

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



44.5810, 40.5151, 10.7812



80.4785, 82.7840, 67.2735



38.3459, 22.2095, 26.6924



16.8661, 17.2781, 13.4221



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.



44.5810, 40.5151, 10.7812



53.9620, 46.1377, 7.9163



57.6952, 70.4029, 15.8589



15.0385, 15.6910, 15.1405



22.9651, 18.5043, 2.3613



1.7893, 1.5520, 0.2053



# Inverse Universe

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



25.2678, 24.9150, 76.1497



27.4425, 24.8048, 97.9492



18.7742, 11.0566, 73.8170



14.1066, 14.9345, 18.2835



10.8968, 8.8558, 43.5182



0.8966, 0.8372, 3.2463



# Previews

## White Background



This preview shows how the XYZ color 44.5801, 40.5131, 10.7804 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 44.5801, 40.5131, 10.7804 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 44.5801, 40.5131, 10.7804

## Background



This preview shows how black text looks on a background with the XYZ color 44.5801, 40.5131, 10.7804.



This preview shows how white text looks on a background with the XYZ color 44.5801, 40.5131,



# 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

44.5801, 40.5131, 10.7804

### Protanopia

36.9354, 40.5279, 11.8372

### Deuteranopia

41.4919, 40.7222, 10.6743



## Tritanopia

50.2095, 40.6597, 37.5495

# Trichromacy



## Original Color

44.5801, 40.5131, 10.7804

## Protanomaly

39.3703, 40.4111, 11.5194

## Deuteranomaly

42.4676, 40.4404, 10.7217

## Tritanomaly

47.5630, 40.2823, 24.6705

# Monochromacy



## Original Color

44.5801, 40.5131, 10.7804

## Achromatopsia

36.7301, 38.6429, 42.0822

## Achromatomaly

38.1802, 38.6519, 26.9210

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.5801, 40.5131, 10.7804 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(227, 156, 67)` looks like.

```
.text, #text, p{  
    color:rgb(227, 156, 67)  
}
```

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(227, 156, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 156, 67) }
```

## Border

The CSS property to change the border of an element to XYZ 44.5801, 40.5131, 10.7804 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(227, 156, 67) }
```



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

```
.border{ border-color:rgb(227, 156, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 156, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 156, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 156, 67);  
box-shadow:4px 4px 4px 4px rgb(227, 156,  
67) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.5801, 40.5131, 10.7804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 156, 67) }
```

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

```
.background{ background-color: rgb(227,  
156, 67) }
```

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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