

# Converting Colors

XYZ(42.1361, 40.2348, 25.2824)

Have a look what the booklet for  
XYZ(42.1361, 40.2348, 25.2824)  
contains.

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# Color

**XYZ(42.2429, 40.2615,  
25.2835)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CFA17E
RGB	207, 161, 126
RGB Percent	81%, 63%, 49%
CMY	0.1882, 0.3686, 0.5059
CMYK	0.00, 0.22, 0.39, 0.19
HSL	26°, 46%, 65%
HSV	26°, 39%, 81%
XYZ	42.2429, 40.2615, 25.2835
YIQ	170.7640, 38.6510, -1.1330

# Conversions

## Conversions Part 2

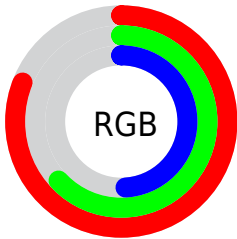
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 188, 126
Decimal	13607294
CIE Lab	69.66, 12.37, 24.75
CIE LCh	70, 27.670, 63.453
Yxy	40.2615, 0.3919, 0.3735
Android (android.graphics.Color)	4291797374 (0xFFCFA17E)
YUV	170.7640, -22.0687, 31.7790
Hunter-Lab	63.4520, 7.7948, 20.7913

# Details

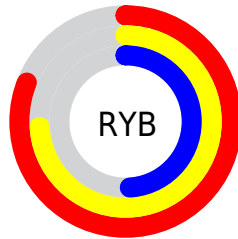
The XYZ color **42.2429, 40.2615, 25.2835** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.6187, 38.4443, 64.6274**, and the grayscale version is **38.6848, 40.6994, 44.3216**.

A 20% lighter version of the original color is **73.9326, 73.6264, 52.9625**, and **19.5707, 18.0524, 9.4742** is the 20% darker color. If you saturate the color by 10%, you get **39.0846, 35.8659, 18.3088**, and if you desaturate by 10%, it is **45.8727, 45.1577, 33.7797**.

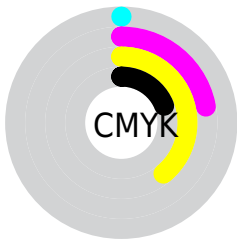
# Distribution



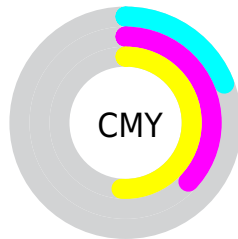
- Red (81%)
- Green (63%)
- Blue (49%)



- Red (81%)
- Yellow (74%)
- Blue (49%)



- Cyan (0%)
- Magenta (22%)
- Yellow (39%)
- Black (19%)




- Cyan (19%)
- Magenta (37%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2429, 40.2615, 25.2835 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 42.2429, 40.2615, 25.2835 by changing the saturation by 10% instead.





 42.2429, 40.2615,  
25.2835


 42.2429, 40.2615,  
25.2835


346.4634,  
347.2245, 292.7396


 29.4835, 27.7425,  
16.0675


 77.8300, 75.5616,  
53.0866

 19.5930, 18.1316,  
9.4170


 101.3883, 99.1114,  
72.5107

 12.2061, 11.0445,  
4.9137


 129.2770,  
127.1069, 96.1746

 6.9574, 6.0968,  
2.1388

161.8615,  
159.9326, 124.4968

 3.4816, 2.9040,  
0.6387

199.5070,  
197.9728, 157.8959

 1.4132, 1.0818,  
0.0000

242.5789,

 0.2656, 0.0000,

241.6120, 196.7903

0.0000

291.4426,  
291.2344, 241.5987

■ 0.0000, 0.0000,  
0.0000

■ 42.2429, 40.2615,  
25.2835

■ 42.2429, 40.2615,  
25.2835

■ 39.0846, 35.8659,  
18.3088

■ 45.8727, 45.1577,  
33.7797

■ 36.3724, 31.9478,  
12.7611

■ 49.9919, 50.5653,  
43.8794

■ 34.0827, 28.4903,  
8.5386


■ 54.6207, 56.5017,  
55.6615


■ 32.1878, 25.4732,  
5.5253


■ 59.7777, 62.9820,  
69.1990


■ 30.6562, 22.8740,  
3.5840


■ 65.4799, 70.0202,  
84.5605

 29.4387, 20.6627,  
2.4885

 71.7440, 77.6301,  
101.8111

 29.3426, 20.4863,  
2.4077

 75.9184, 84.7580,  
106.9663

 79.5421, 92.0054,  
108.1742

# Harmonies

## Analogous

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



45.9040, 40.2615, 31.6095



42.2429, 40.2615, 25.2835



37.7515, 40.2615, 23.5554

# Triad

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



42.2429, 40.2615, 25.2835



30.3057, 40.2615, 45.3387



43.2088, 40.2615, 67.7776

# Complementary

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



42.2429, 40.2615, 25.2835



34.6187, 38.4443, 64.6274

# 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.



38.7878, 40.2615, 73.3203



42.2429, 40.2615, 25.2835



31.5284, 40.2615, 58.8721

# Square

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



42.2429, 40.2615, 25.2835



31.0752, 40.2615, 33.7217



34.5494, 40.2615, 69.7812



46.4915, 40.2615, 55.7985



# Rectangle

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



42.2429, 40.2615, 25.2835



34.9443, 40.2615, 24.8958



34.5494, 40.2615, 69.7812



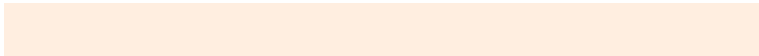
41.7947, 40.2615, 70.5507

# Sweetspot

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



42.2439, 40.2634, 25.2843



85.2140, 87.5939, 83.2218



40.7603, 31.2143, 43.5391



18.0263, 18.4763, 17.2683



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.



42.2439, 40.2634, 25.2843



63.3821, 58.5303, 30.9340



50.2104, 56.1963, 27.9398



12.2229, 12.6365, 12.4069



18.5773, 13.0877, 1.5470



1.1169, 0.8881, 0.1126

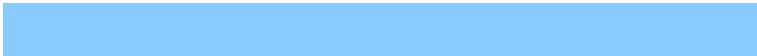


# Inverse Universe

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



34.6187, 38.4443, 64.6274



49.4705, 55.1927, 102.6536



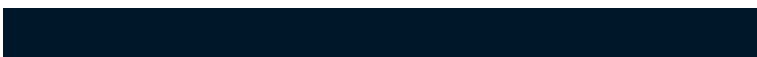
28.2204, 25.6478, 62.4946



11.7128, 12.5158, 15.0421



11.2395, 11.1255, 38.7476



0.7065, 0.7782, 2.1925



# Previews

## White Background



This preview shows how the XYZ color 42.2429, 40.2615, 25.2835 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 42.2429, 40.2615, 25.2835 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

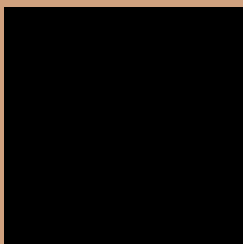
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 42.2429, 40.2615, 25.2835**

## **Background**



This preview shows how black text looks on a background with the XYZ color 42.2429, 40.2615, 25.2835.



This preview shows how white text looks on a background with the XYZ color 42.2429, 40.2615,

25.2835.

# 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

42.2429, 40.2615, 25.2835

### Protanopia

37.6954, 40.3062, 26.9122

### Deuteranopia

40.9505, 40.1183, 25.3239



## Tritanopia

45.5604, 40.0816, 41.8944

# Trichromacy



## Original Color

42.2429, 40.2615, 25.2835

## Protanomaly

39.2670, 40.2988, 26.4777

## Deuteranomaly

41.3148, 40.0435, 25.2903

## Tritanomaly

44.3028, 40.0826, 35.1075

# Monochromacy



## Original Color

42.2429, 40.2615, 25.2835

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

39.5023, 40.1943, 36.6866

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 42.2429, 40.2615, 25.2835 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(207, 161, 126)` looks like.

```
.text, #text, p{  
    color:rgb(207, 161, 126)  
}
```

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(207, 161, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 161, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 42.2429, 40.2615, 25.2835 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(207, 161, 126) }
```



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

```
.border{ border-color:rgb(207, 161, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 161, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 161, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 161, 126);  
box-shadow:4px 4px 4px 4px rgb(207, 161,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 42.2429, 40.2615, 25.2835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 161, 126) }
```

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

```
.background{ background-color: rgb(207,  
161, 126) }
```

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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