

# Converting Colors

XYZ(34.7755, 25.2519, 16.6284)

Have a look what the booklet for  
XYZ(34.7755, 25.2519, 16.6284)  
contains.

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# Color

**XYZ(34.9069, 25.3457,  
16.6881)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D46A6A
RGB	212, 106, 106
RGB Percent	83%, 42%, 42%
CMY	0.1686, 0.5843, 0.5843
CMYK	0.00, 0.50, 0.50, 0.17
HSL	0°, 55%, 62%
HSV	0°, 50%, 83%
XYZ	34.9069, 25.3457, 16.6881
YIQ	137.6940, 63.1760, 22.4720

# Conversions

## Conversions Part 2

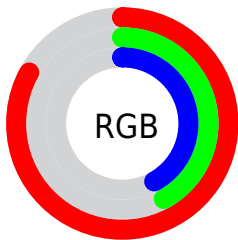
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	212, 106, 106
Decimal	13920874
CIE <sub>Lab</sub>	57.41, 41.64, 19.54
CIE <sub>LCh</sub>	57, 45.995, 25.138
Yxy	25.3457, 0.4537, 0.3294
Android (android.graphics.Color)	4292110954 (0xFFD46A6A)
YUV	137.6940, -15.6251, 65.1664
Hunter-Lab	50.3445, 35.6620, 15.5878

# Details

The XYZ color **34.9069, 25.3457, 16.6881** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **41.3696, 54.9016, 70.7038**, and the grayscale version is **24.0824, 25.3366, 27.5915**.

A 20% lighter version of the original color is **59.8966, 48.8359, 38.1677**, and **15.2455, 9.7264, 5.2115** is the 20% darker color. If you saturate the color by 10%, you get **32.0164, 21.1165, 10.9414**, and if you desaturate by 10%, it is **38.6111, 30.7664, 24.0509**.

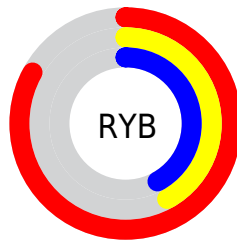
# Distribution



Red (83%)

Green (42%)

Blue (42%)



Red (83%)

Yellow (42%)

Blue (42%)

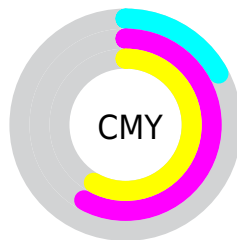


Cyan (0%)

Magenta (50%)

Yellow (50%)

Black (17%)



Cyan (17%)

Magenta (58%)


Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9069, 25.3457, 16.6881 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 34.9069, 25.3457, 16.6881 by changing the saturation by 10% instead.





 34.9069, 25.3457,  
16.6881

 34.9069, 25.3457,  
16.6881


315.6724,  
279.5552, 245.3513


 23.7573, 16.3348,  
9.8528


 66.6765, 52.2175,  
38.5720

 15.2775, 9.7614,  
5.1971


 88.0272, 70.8472,  
54.4576

 9.1019, 5.2410,  
2.3026


 113.5091, 93.4519,  
74.1971

 4.8654, 2.3894,  
0.7327

 143.4874,  
120.4161, 98.2090

 2.2024, 0.8204,  
0.0000

178.3275,  
152.1241, 126.9119

 0.7440, 0.0000,  
0.0000

218.3949,

 0.0000, 0.0000,

188.9604, 160.7242

0.0000

264.0547,  
231.3093, 200.0645

■ 34.9069, 25.3457,  
16.6881

■ 34.9069, 25.3457,  
16.6881

■ 32.0164, 21.1165,  
10.9414

■ 38.6111, 30.7664,  
24.0509

■ 29.8768, 17.9855,  
6.6880

■ 43.1818, 37.4547,  
33.1372

■ 28.4190, 15.8522,  
3.7902


■ 48.6697, 45.4850,  
44.0468


■ 27.5606, 14.5960,  
2.0840

■ 55.1209, 54.9251,  
56.8717


■ 27.1514, 13.9973,  
1.2707

■ 62.5787, 65.8378,  
71.6976

 27.1514, 13.9972,  
1.2707

 71.0834, 78.2825,  
88.6047

 80.6733, 92.3152,  
107.6694

 80.9613, 92.7370,  
108.2407

# Harmonies

## Analogous

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



36.1469, 25.3457, 30.2266



34.9069, 25.3457, 16.6881



30.6079, 25.3457, 9.5400

# Triad

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



34.9069, 25.3457, 16.6881



16.4577, 25.3457, 13.7247



23.2108, 25.3457, 69.7396

# Complementary

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



34.9069, 25.3457, 16.6881



41.3696, 54.9016, 70.7038

# 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.



18.5706, 25.3457, 60.3762



34.9069, 25.3457, 16.6881



15.0658, 25.3457, 25.1248

# Square

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



34.9069, 25.3457, 16.6881



19.8976, 25.3457, 8.3383



15.7767, 25.3457, 42.4520



28.8341, 25.3457, 64.7765



# Rectangle

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



34.9069, 25.3457, 16.6881



26.8866, 25.3457, 7.5356



15.7767, 25.3457, 42.4520



21.4950, 25.3457, 68.0864

# Sweetspot

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



34.9075, 25.3470, 16.6886



78.4809, 75.7547, 75.9610



44.1890, 29.0587, 65.5670



16.3598, 15.5732, 15.3873



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.



34.9075, 25.3470, 16.6886



48.3904, 31.7236, 16.1432



42.1510, 39.8340, 19.1030



12.4234, 12.4209, 12.9034



16.7620, 8.6413, 0.7845



1.0110, 0.5212, 0.0473



# Inverse Universe

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



41.3696, 54.9016, 70.7038



59.2869, 81.5596, 107.2256



30.2258, 32.6140, 66.9892



12.7922, 14.1078, 15.9864



21.8693, 32.0003, 43.4772



1.3191, 1.9301, 2.6223



# Previews

## White Background



This preview shows how the XYZ color 34.9069, 25.3457, 16.6881 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

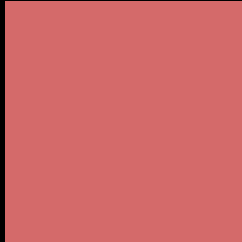
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.9069, 25.3457, 16.6881 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 × Fail

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

**XYZ 34.9069, 25.3457, 16.6881**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.9069, 25.3457, 16.6881.



This preview shows how white text looks on a background with the XYZ color 34.9069, 25.3457,



# 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

34.9069, 25.3457, 16.6881

### Protanopia

24.2167, 25.5772, 21.7497

### Deuteranopia

26.0463, 25.6072, 15.8818



## Tritanopia

35.1276, 25.2701, 18.3554

# Trichromacy



## Original Color

34.9069, 25.3457, 16.6881

## Protanomaly

26.9754, 24.6177, 19.8529

## Deuteranomaly

28.5872, 24.9689, 16.1447

## Tritanomaly

35.0174, 25.2260, 17.7753

# Monochromacy



## Original Color

34.9069, 25.3457, 16.6881

## Achromatopsia

24.1572, 25.4152, 27.6772

## Achromatomaly

26.7438, 24.4274, 23.0441

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.9069, 25.3457, 16.6881 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(212, 106, 106)` looks like.

```
.text, #text, p{  
    color:rgb(212, 106, 106)  
}
```

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(212, 106, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 106, 106) }
```

## Border

The CSS property to change the border of an element to XYZ 34.9069, 25.3457, 16.6881 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(212, 106, 106) }
```



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

```
.border{ border-color:rgb(212, 106, 106) }
```

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

Here you see how a box with a 4 pixel rgb(212, 106, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 106, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 106, 106);  
box-shadow:4px 4px 4px 4px rgb(212, 106,  
106) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.9069, 25.3457, 16.6881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 106, 106) }
```

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

```
.background{ background-color: rgb(212,  
106, 106) }
```

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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