

# Converting Colors

XYZ(34.0417, 22.7421, 7.5965)

Have a look what the booklet for  
XYZ(34.0417, 22.7421, 7.5965)  
contains.

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# Color

**XYZ(34.0417, 22.7421,  
7.5965)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DC5941
RGB	220, 89, 65
RGB Percent	86%, 35%, 25%
CMY	0.1373, 0.6509, 0.7451
CMYK	0.00, 0.60, 0.70, 0.14
HSL	9°, 69%, 56%
HSV	9°, 70%, 86%
XYZ	34.0417, 22.7421, 7.5965
YIQ	125.4330, 85.7800, 20.3080

# Conversions

## Conversions Part 2

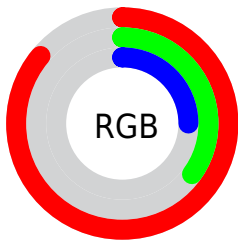
Format	Color
R <sub>Y</sub> B	220, 93, 65
Decimal	14440769
CIE Lab	54.81, 49.88, 39.74
CIE LCh	55, 63.781, 38.546
Yxy	22.7421, 0.5288, 0.3532
Android (android.graphics.Color)	4292630849 (0xFFDC5941)
YUV	125.4330, -29.7935, 82.9353
Hunter-Lab	47.6887, 43.9638, 23.9376

# Details

The XYZ color **34.0417, 22.7421, 7.5965** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **34.8362, 45.7672, 74.7075**, and the grayscale version is **19.7172, 20.7441, 22.5903**.

A 20% lighter version of the original color is **54.0997, 42.1198, 21.1982**, and **14.7707, 8.4073, 1.5061** is the 20% darker color. If you saturate the color by 10%, you get **32.1673, 19.8225, 4.4163**, and if you desaturate by 10%, it is **36.5559, 26.5448, 12.2140**.

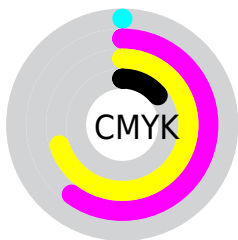
# Distribution



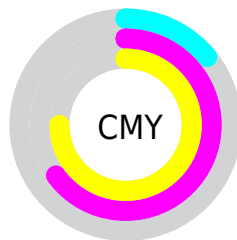
- Red (86%)
- Green (35%)
- Blue (25%)



- Red (86%)
- Yellow (36%)
- Blue (25%)



- Cyan (0%)
- Magenta (60%)
- Yellow (70%)
- Black (14%)




- Cyan (14%)
- Magenta (65%)
- Yellow (75%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0417, 22.7421, 7.5965 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 34.0417, 22.7421, 7.5965 by changing the saturation by 10% instead.





 34.0417, 22.7421,  
7.5965


 34.0417, 22.7421,  
7.5965


311.9006,  
266.3976, 182.3468


 23.0887, 14.4032,  
3.7538


 65.3424, 47.9695,  
21.6965


 14.7801, 8.4016,  
1.4913


 86.4207, 65.6268,  
32.7909

 8.7505, 4.3530,  
0.2114


 111.6049, 87.1590,  
47.1396

 4.6346, 1.8729,  
0.0000

 141.2603,  
112.9505, 65.1612

 2.0670, 0.5320,  
0.0000

 175.7522,  
143.3857, 87.2741

 0.6712, 0.0000,  
0.0000

 215.4459,

 0.0000, 0.0000,

178.8491, 113.8970

0.0000

260.7070,  
219.7249, 145.4484

■ 34.0417, 22.7421,  
7.5965

■ 34.0417, 22.7421,  
7.5965

■ 32.1673, 19.8225,  
4.4163

■ 36.5559, 26.5448,  
12.2140

■ 30.8705, 17.7100,  
2.5008


■ 39.7609, 31.2909,  
18.4124


■ 30.0891, 16.3639,  
1.5727


■ 43.7044, 37.0396,  
26.3189


■ 48.4292, 43.8443,  
36.0476

■ 53.9748, 51.7545,  
47.7026

 60.3779, 60.8165,  
61.3802

 67.6732, 71.0741,  
77.1701

 75.8933, 82.5686,  
95.1567

 83.3250, 93.9555,  
108.3513

# Harmonies

## Analogous

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



37.9776, 22.7421, 19.4312



34.0417, 22.7421, 7.5965



26.9610, 22.7421, 3.3576

# Triad

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



34.0417, 22.7421, 7.5965



11.2969, 22.7421, 13.1063



23.6926, 22.7421, 86.3883

# Complementary

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



34.0417, 22.7421, 7.5965



34.8362, 45.7672, 74.7075

# 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.



17.0281, 22.7421, 81.2967



34.0417, 22.7421, 7.5965



10.7930, 22.7421, 30.9889

# Square

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



34.0417, 22.7421, 7.5965



14.2229, 22.7421, 5.1213



12.6545, 22.7421, 57.6756



31.2079, 22.7421, 69.2110



# Rectangle

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



34.0417, 22.7421, 7.5965



21.9615, 22.7421, 2.6995



12.6545, 22.7421, 57.6756



21.2735, 22.7421, 87.3543

# Sweetspot

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



34.0422, 22.7434, 7.5969



74.8192, 71.4653, 65.3871



41.4547, 23.0160, 54.9306



15.5324, 14.6107, 12.9775



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.



34.0422, 22.7434, 7.5969



43.8998, 26.0133, 4.5622



44.0599, 42.7788, 10.9361



13.2181, 13.3755, 13.6106



17.7109, 9.7073, 0.9402



1.1994, 0.7329, 0.0782



# Inverse Universe

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



34.8362, 45.7672, 74.7075



44.8281, 59.5759, 103.7443



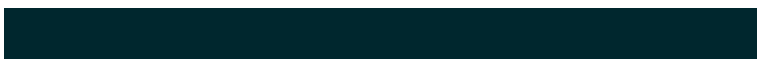
21.7249, 19.5445, 70.3370



13.2642, 14.4680, 16.7457



17.9443, 23.7580, 43.3784

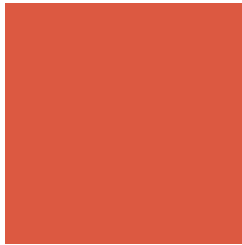


1.2098, 1.6338, 2.8260



# Previews

## White Background



This preview shows how the XYZ color 34.0417, 22.7421, 7.5965 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 34.0417, 22.7421, 7.5965 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 34.0417, 22.7421, 7.5965**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.0417, 22.7421, 7.5965.



This preview shows how white text looks on a background with the XYZ color 34.0417, 22.7421,



# 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

34.0417, 22.7421, 7.5965

### Protanopia

21.2008, 23.0110, 10.9136

### Deuteranopia

23.1764, 22.7492, 7.0404



## Tritanopia

35.0349, 22.7831, 12.4486

# Trichromacy



## Original Color

34.0417, 22.7421, 7.5965

## Protanomaly

24.5286, 21.7694, 9.5657

## Deuteranomaly

26.3769, 22.1049, 7.1514

## Tritanomaly

34.7500, 22.7977, 10.5515

# Monochromacy



## Original Color

34.0417, 22.7421, 7.5965

## Achromatopsia

19.4927, 20.5079, 22.3331

## Achromatomaly

22.7396, 20.0412, 15.5018

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.0417, 22.7421, 7.5965 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(220, 89, 65)` looks like.

```
.text, #text, p{  
  color:rgb(220, 89, 65)  
}
```

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(220, 89, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 89, 65) }
```

## Border

The CSS property to change the border of an element to XYZ 34.0417, 22.7421, 7.5965 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(220, 89, 65) }
```



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

```
.border{ border-color:rgb(220, 89, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 89, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 89, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 89, 65);  
box-shadow:4px 4px 4px 4px rgb(220, 89,  
65) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.0417, 22.7421, 7.5965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 89, 65) }
```

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

```
.background{ background-color: rgb(220, 89,  
65) }
```

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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