

# Converting Colors

XYZ(36.6831, 22.7263, 8.0834)

Have a look what the booklet for  
XYZ(36.6831, 22.7263, 8.0834)  
contains.

<b>XYZ(36.6831, 22.7263, 8.0834)</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(36.6831, 22.7263,  
8.0834)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E74D45
RGB	231, 77, 69
RGB Percent	91%, 30%, 27%
CMY	0.0941, 0.6980, 0.7294
CMYK	0.00, 0.67, 0.70, 0.09
HSL	3°, 77%, 59%
HSV	3°, 70%, 91%
XYZ	36.6831, 22.7263, 8.0834
YIQ	122.1340, 94.3520, 30.1600

# Conversions

## Conversions Part 2

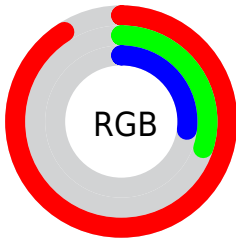
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">231, 77, 69</a>
Decimal	<a href="#">15158597</a>
CIELab	<a href="#">54.79, 58.91, 37.99</a>
CIElCh	<a href="#">55, 70.100, 32.819</a>
Yxy	<a href="#">22.7263, 0.5435, 0.3367</a>
Android (android.graphics.Color)	<a href="#">4293348677</a> ( <a href="#">0xFFE74D45</a> )
YUV	<a href="#">122.1340, -26.1951, 95.4755</a>
Hunter-Lab	<a href="#">47.6721, 53.9274, 23.3171</a>

# Details

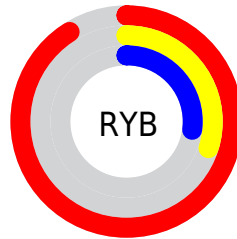
The XYZ color **36.6831, 22.7263, 8.0834** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **43.2633, 59.8052, 84.8644**, and the grayscale version is **18.6048, 19.5737, 21.3158**.

A 20% lighter version of the original color is **52.8975, 39.3431, 21.9455**, and **16.3239, 8.3950, 1.6797** is the 20% darker color. If you saturate the color by 10%, you get **34.8147, 19.9226, 4.5850**, and if you desaturate by 10%, it is **39.3498, 26.6808, 13.2242**.

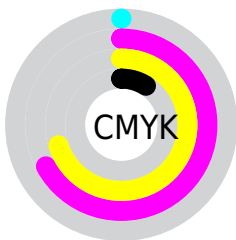
# Distribution



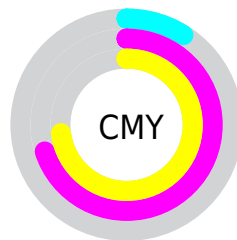
- Red (91%)
- Green (30%)
- Blue (27%)



- Red (91%)
- Yellow (30%)
- Blue (27%)



- Cyan (0%)
- Magenta (67%)
- Yellow (70%)
- Black (9%)




- Cyan (9%)
- Magenta (70%)
- Yellow (73%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6831, 22.7263, 8.0834 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 36.6831, 22.7263, 8.0834 by changing the saturation by 10% instead.




 36.6831, 22.7263,  
8.0834


 36.6831, 22.7263,  
8.0834


323.3159,  
266.3161, 186.3437

 25.1348, 14.3915,  
4.0598


 69.4021, 47.9435,  
22.6706

 16.3068, 8.3935,  
1.6582


 91.3035, 65.5948,  
34.0714


 9.8337, 4.3477,  
0.3319


 117.3867, 87.1203,  
48.7683

 5.3503, 1.8699,  
0.0000

 148.0169,  
112.9045, 67.1798

 2.4911, 0.5302,  
0.0000

 183.5596,  
143.3318, 89.7246

 0.8907, 0.0000,  
0.0000

224.3801,

 0.0000, 0.0000,

178.7866, 116.8212

0.0000

270.8437,  
219.6532, 148.8880

■ 36.6831, 22.7263,  
8.0834

■ 36.6831, 22.7263,  
8.0834

■ 34.8147, 19.9226,  
4.5850

■ 39.3498, 26.6808,  
13.2242

■ 33.6540, 18.1428,  
2.5283


■ 42.8893, 31.8879,  
20.1747


■ 33.0794, 17.2380,  
1.5838

■ 47.3691, 38.4425,  
29.0825

■ 52.8498, 46.4293,  
40.0800

■ 59.3870, 55.9261,  
53.2877

 67.0319, 67.0052,  
68.8174

 75.8327, 79.7340,  
86.7730

 85.8345, 94.1762,  
107.2523

 86.7649, 95.7289,  
108.5123

# Harmonies

## Analogous

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



40.1433, 22.7263, 22.7068



36.6831, 22.7263, 8.0834



29.1401, 22.7263, 2.8948

# Triad

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



36.6831, 22.7263, 8.0834



10.8793, 22.7263, 9.9315



22.3412, 22.7263, 96.4315

# Complementary

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



36.6831, 22.7263, 8.0834



43.2633, 59.8052, 84.8644

# 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.



15.4887, 22.7263, 85.3529



36.6831, 22.7263, 8.0834



9.8821, 22.7263, 26.9019

# Square

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



36.6831, 22.7263, 8.0834



14.4947, 22.7263, 3.4259



11.3494, 22.7263, 55.7940



30.7160, 22.7263, 80.6546



# Rectangle

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



36.6831, 22.7263, 8.0834



23.5156, 22.7263, 1.9695



11.3494, 22.7263, 55.7940



19.7926, 22.7263, 95.7328

# Sweetspot

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



36.6836, 22.7276, 8.0838



73.4517, 68.7303, 64.9312



48.7556, 26.7142, 74.2505



15.2144, 13.9747, 12.8715



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.



36.6836, 22.7276, 8.0838



42.8377, 23.8205, 4.4196



45.8171, 40.9946, 11.1283



14.4339, 14.4816, 14.9389



18.5708, 9.7158, 0.8965



1.3926, 0.7585, 0.0730



# Inverse Universe

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



43.2633, 59.8052, 84.8644



51.4309, 72.6361, 105.9172



26.9425, 27.1636, 79.4241



14.7432, 16.2078, 18.4957



22.4002, 31.8624, 47.3526



1.6742, 2.3923, 3.5055



# Previews

## White Background



This preview shows how the XYZ color 36.6831, 22.7263, 8.0834 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 36.6831, 22.7263, 8.0834 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 36.6831, 22.7263, 8.0834**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.6831, 22.7263, 8.0834.



This preview shows how white text looks on a background with the XYZ color 36.6831, 22.7263,



# 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

36.6831, 22.7263, 8.0834

### Protanopia

21.3404, 23.0467, 12.5562

### Deuteranopia

23.2535, 22.7800, 7.4464



## Tritanopia

36.9190, 22.6003, 10.0059

# Trichromacy



## Original Color

36.6831, 22.7263, 8.0834

## Protanomaly

24.9586, 21.2964, 10.5797

## Deuteranomaly

26.9988, 21.7754, 7.4827

## Tritanomaly

36.8439, 22.6796, 9.2732

# Monochromacy



## Original Color

36.6831, 22.7263, 8.0834

## Achromatopsia

18.4984, 19.4618, 21.1939

## Achromatomaly

22.5025, 18.9687, 15.3073

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.6831, 22.7263, 8.0834 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(231, 77, 69)` looks like.

```
.text, #text, p{  
    color:rgb(231, 77, 69)  
}
```

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(231, 77, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 77, 69) }
```

## Border

The CSS property to change the border of an element to XYZ 36.6831, 22.7263, 8.0834 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(231, 77, 69) }
```



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

```
.border{ border-color:rgb(231, 77, 69) }
```

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

Here you see how a box with a 4 pixel rgb(231, 77, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 77, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 77, 69);  
box-shadow:4px 4px 4px 4px rgb(231, 77,  
69) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.6831, 22.7263, 8.0834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 77, 69) }
```

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

```
.background{ background-color: rgb(231, 77,  
69) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor