

# Converting Colors

XYZ(36.8521, 24.5705, 12.0096)

Have a look what the booklet for  
XYZ(36.8521, 24.5705, 12.0096)  
contains.

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# Color

**XYZ(36.7271, 24.5408,  
12.0336)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E15D58
RGB	225, 93, 88
RGB Percent	88%, 36%, 35%
CMY	0.1176, 0.6353, 0.6549
CMYK	0.00, 0.59, 0.61, 0.12
HSL	2°, 70%, 61%
HSV	2°, 61%, 88%
XYZ	36.7271, 24.5408, 12.0336
YIQ	131.8980, 80.2770, 26.4290

# Conversions

## Conversions Part 2

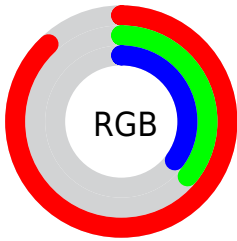
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	225, 93, 88
Decimal	14769496
CIE <sub>Lab</sub>	56.63, 51.14, 29.24
CIE <sub>LCh</sub>	57, 58.910, 29.756
Yxy	24.5408, 0.5010, 0.3348
Android (android.graphics.Color)	4292959576 (0xFFE15D58)
YUV	131.8980, -21.6417, 81.6505
Hunter-Lab	49.5387, 45.6441, 20.2747

# Details

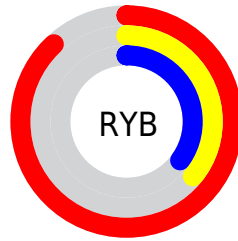
The XYZ color **36.7271, 24.5408, 12.0336** is a dark color, and the websafe version is hex **FF6666**. The color can be described as middle muted red. A complement of this color would be **43.2062, 58.6932, 80.2854**, and the grayscale version is **21.9515, 23.0947, 25.1502**.

A 20% lighter version of the original color is **56.4173, 44.2748, 29.6171**, and **16.3893, 9.3828, 3.1377** is the 20% darker color. If you saturate the color by 10%, you get **34.2942, 20.9436, 7.3124**, and if you desaturate by 10%, it is **39.9879, 29.3341, 18.4496**.

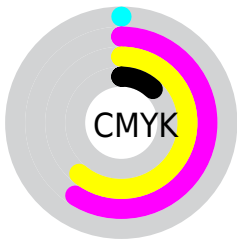
# Distribution



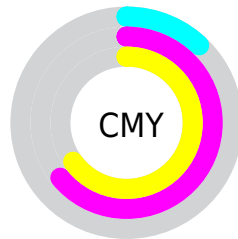
- Red (88%)
- Green (36%)
- Blue (35%)



- Red (88%)
- Yellow (36%)
- Blue (35%)



- Cyan (0%)
- Magenta (59%)
- Yellow (61%)
- Black (12%)




- Cyan (12%)
- Magenta (64%)
- Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7271, 24.5408, 12.0336 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 36.7271, 24.5408, 12.0336 by changing the saturation by 10% instead.




 36.7271, 24.5408,  
12.0336


 36.7271, 24.5408,  
12.0336


323.5036,  
275.5433, 215.6134


 25.1690, 15.7353,  
6.6437


 69.4694, 50.9113,  
30.2216


 16.3324, 9.3370,  
3.1653


 91.3843, 69.2450,  
43.8568


 9.8520, 4.9617,  
1.1796


 117.4822, 91.5236,  
61.0776

 5.3625, 2.2248,  
0.0000

 148.1284,  
118.1315, 82.3024

 2.4984, 0.7335,  
0.0000

 183.6883,  
149.4530, 107.9499

 0.8944, 0.0000,  
0.0000

224.5272,

 0.0000, 0.0000,

185.8725, 138.4385

0.0000

271.0105,  
227.7745, 174.1868

■ 36.7271, 24.5408,  
12.0336

■ 36.7271, 24.5408,  
12.0336

■ 34.2942, 20.9436,  
7.3124

■ 39.9879, 29.3341,  
18.4496

■ 32.6130, 18.4335,  
4.1247

■ 44.1402, 35.4117,  
26.6992

■ 31.5966, 16.8891,  
2.2800

■ 49.2435, 42.8585,  
36.9083

■ 31.1404, 16.1860,  
1.4829

■ 55.3515, 51.7507,  
49.1913

■ 62.5141, 62.1591,  
63.6538

■ 70.7778, 74.1498,  
80.3942

■ 80.1862, 87.7848,  
99.5051

■ 84.8612, 94.7475,  
108.4232

# Harmonies

## Analogous

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



39.1273, 24.5408, 26.8820



36.7271, 24.5408, 12.0336



30.6068, 24.5408, 5.5881

# Triad

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



36.7271, 24.5408, 12.0336



13.6984, 24.5408, 11.8706



23.2692, 24.5408, 84.9597

# Complementary

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



36.7271, 24.5408, 12.0336



43.2062, 58.6932, 80.2854

# 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.



17.3013, 24.5408, 74.3368



36.7271, 24.5408, 12.0336



12.4795, 24.5408, 26.5602

# Square

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



36.7271, 24.5408, 12.0336



17.3811, 24.5408, 5.5316



13.6590, 24.5408, 50.1487



30.4903, 24.5408, 74.6556



# Rectangle

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



36.7271, 24.5408, 12.0336



25.7466, 24.5408, 4.1385



13.6590, 24.5408, 50.1487



21.0608, 24.5408, 83.6670

# Sweetspot

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



36.7277, 24.5422, 12.0340



76.0001, 72.3465, 70.3452



47.5166, 28.1773, 70.9454



15.7037, 14.6658, 13.9206



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.



36.7277, 24.5422, 12.0340



44.8702, 26.8091, 8.4156



45.5692, 42.2251, 14.9812



13.7472, 13.7804, 14.2421



17.9630, 9.3639, 0.8607



1.2595, 0.6778, 0.0645



# Inverse Universe

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



43.2062, 58.6932, 80.2854



54.1214, 75.7352, 106.3736



28.8325, 29.9458, 75.4942



14.0714, 15.4819, 17.6343



22.1162, 31.7020, 46.0018



1.5466, 2.2246, 3.1931



# Previews

## White Background



This preview shows how the XYZ color 36.7271, 24.5408, 12.0336 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 36.7271, 24.5408, 12.0336 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 36.7271, 24.5408, 12.0336**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.7271, 24.5408, 12.0336.



This preview shows how white text looks on a background with the XYZ color 36.7271, 24.5408,



# 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

36.7271, 24.5408, 12.0336

### Protanopia

23.0827, 24.6687, 17.1806

### Deuteranopia

25.0227, 24.5738, 11.4070



## Tritanopia

37.3488, 24.6861, 14.1057

# Trichromacy



## Original Color

36.7271, 24.5408, 12.0336

## Protanomaly

26.4242, 23.3325, 14.9153

## Deuteranomaly

28.4550, 23.9275, 11.5062

## Tritanomaly

37.2116, 24.6312, 13.3827

# Monochromacy



## Original Color

36.7271, 24.5408, 12.0336

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

25.3567, 22.3248, 19.4957

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.7271, 24.5408, 12.0336 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(225, 93, 88)` looks like.

```
.text, #text, p{  
  color:rgb(225, 93, 88)  
}
```

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(225, 93, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 93, 88) }
```

## Border

The CSS property to change the border of an element to XYZ 36.7271, 24.5408, 12.0336 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(225, 93, 88) }
```



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

```
.border{ border-color:rgb(225, 93, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 93, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 93, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 93, 88);  
box-shadow:4px 4px 4px 4px rgb(225, 93,  
88) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.7271, 24.5408, 12.0336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 93, 88) }
```

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

```
.background{ background-color: rgb(225, 93,  
88) }
```

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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