

# Converting Colors

XYZ(37.4996, 21.3091, 17.7594)

Have a look what the booklet for  
XYZ(37.4996, 21.3091, 17.7594)  
contains.

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# Color

**XYZ(37.4996, 21.3091,  
17.7594)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E73B71
RGB	231, 59, 113
RGB Percent	91%, 23%, 44%
CMY	0.0941, 0.7686, 0.5569
CMYK	0.00, 0.74, 0.51, 0.09
HSL	341°, 78%, 57%
HSV	341°, 74%, 91%
XYZ	37.4996, 21.3091, 17.7594
YIQ	116.5840, 85.1780, 53.2580

# Conversions

## Conversions Part 2

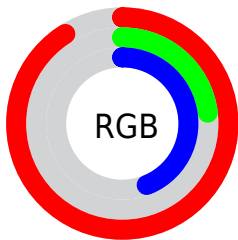
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	231, 59, 113
Decimal	15154033
CIE <sub>Lab</sub>	53.29, 68.07, 10.18
CIE <sub>LCh</sub>	53, 68.829, 8.509
Yxy	21.3091, 0.4898, 0.2783
Android (android.graphics.Color)	4293344113 (0xFFE73B71)
YUV	116.5840, -1.7669, 100.3428
Hunter-Lab	46.1618, 64.2217, 9.5031

# Details

The XYZ color **37.4996, 21.3091, 17.7594** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle washed rose. A complement of this color would be **38.3171, 61.2566, 51.4052**, and the grayscale version is **16.7684, 17.6416, 19.2118**.

A 20% lighter version of the original color is **54.6573, 37.3733, 39.4550**, and **17.3456, 8.8284, 5.9441** is the 20% darker color. If you saturate the color by 10%, you get **35.7479, 19.1112, 13.1511**, and if you desaturate by 10%, it is **39.9331, 24.6214, 23.3640**.

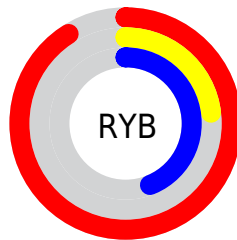
# Distribution



Red (91%)

Green (23%)

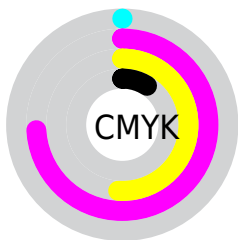
Blue (44%)



Red (91%)

Yellow (23%)

Blue (44%)

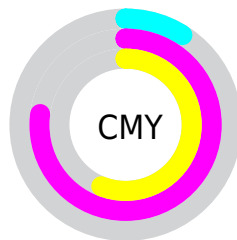


Cyan (0%)

Magenta (74%)

Yellow (51%)

Black (9%)



Cyan (9%)

Magenta (77%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4996, 21.3091, 17.7594 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 37.4996, 21.3091, 17.7594 by changing the saturation by 10% instead.





 37.4996, 21.3091,  
17.7594


 37.4996, 21.3091,  
17.7594

326.7866,  
258.9167, 251.7018


 25.7700, 13.3501,  
10.6097


 70.6494, 45.6014,  
40.4353

 16.7834, 7.6701,  
5.6942


 92.8002, 62.7035,  
56.7986


 10.1745, 3.8846,  
2.5943


 119.1556, 83.6221,  
77.0703

 5.5780, 1.6092,  
0.8895

 150.0807,  
108.7417, 101.6687

 2.6284, 0.3638,  
0.0000

 185.9410,  
138.4465, 131.0126

 0.9605, 0.0000,  
0.0000

227.1019,

 0.0000, 0.0000,

173.1210, 165.5203

0.0000

273.9286,  
213.1496, 205.6106

■ 37.4996, 21.3091,  
17.7594

■ 37.4996, 21.3091,  
17.7594

■ 35.7479, 19.1112,  
13.1511

■ 39.9331, 24.6214,  
23.3640

■ 34.5930, 17.8706,  
9.4704


■ 43.1157, 29.1703,  
30.0241


■ 34.1414, 17.4635,  
7.7903


■ 47.1079, 35.0660,  
37.7945


■ 51.9636, 42.4052,  
46.7259

■ 57.7316, 51.2758,  
56.8655

 64.4570, 61.7585,  
68.2577

 72.1820, 73.9285,  
80.9446

 80.9460, 87.8559,  
94.9663

 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.



36.2775, 21.3091, 41.2143



37.4996, 21.3091, 17.7594



33.3066, 21.3091, 6.1181

# Triad

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



37.4996, 21.3091, 17.7594



12.7259, 21.3091, 3.8421



15.5444, 21.3091, 84.0999

# Complementary

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



37.4996, 21.3091, 17.7594



38.3171, 61.2566, 51.4052

# 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.



11.1532, 21.3091, 58.2023



37.4996, 21.3091, 17.7594



9.8182, 21.3091, 11.3925

# Square

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



37.4996, 21.3091, 17.7594



18.2515, 21.3091, 1.8469



9.3212, 21.3091, 29.6564



22.3971, 21.3091, 89.7601



# Rectangle

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



37.4996, 21.3091, 17.7594



28.4846, 21.3091, 3.0540



9.3212, 21.3091, 29.6564



13.7840, 21.3091, 76.9544

# Sweetspot

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



37.5001, 21.3103, 17.7597



74.1012, 67.0451, 74.3476



34.0145, 18.1915, 77.3196



15.3982, 13.6332, 15.1189



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.



37.5001, 21.3103, 17.7597



43.9225, 22.9993, 14.0019



37.4468, 24.7091, 6.9350



14.5624, 14.4422, 15.8961



19.1896, 9.8101, 4.6277



1.4588, 0.7412, 0.5568



# Inverse Universe

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



37.5001, 21.3103, 17.7597



43.9225, 22.9993, 14.0019



36.7595, 47.7625, 82.8827



14.5624, 14.4422, 15.8961



19.1896, 9.8101, 4.6277



1.4588, 0.7412, 0.5568



# Previews

## White Background



This preview shows how the XYZ color 37.4996, 21.3091, 17.7594 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 37.4996, 21.3091, 17.7594 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

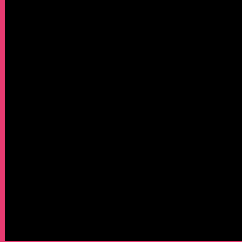
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 37.4996, 21.3091, 17.7594

## Background



This preview shows how black text looks on a background with the XYZ color 37.4996, 21.3091, 17.7594.



This preview shows how white text looks on a background with the XYZ color 37.4996, 21.3091,



# 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

37.4996, 21.3091, 17.7594

### Protanopia

21.3264, 21.6338, 31.4855

### Deuteranopia

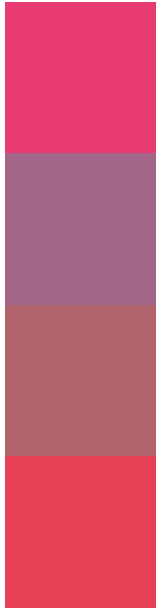
21.8455, 21.4817, 16.3596



## Tritanopia

35.6109, 21.3821, 8.3812

# Trichromacy



## Original Color

37.4996, 21.3091, 17.7594

## Protanomaly

24.2996, 19.0668, 25.6921

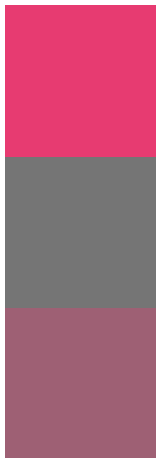
## Deuteranomaly

25.6240, 19.6620, 16.6320

## Tritanomaly

36.2437, 21.2917, 11.2163

# Monochromacy



## Original Color

37.4996, 21.3091, 17.7594

## Achromatopsia

16.9083, 17.7888, 19.3720

## Achromatomaly

21.4358, 16.8958, 18.6544

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.4996, 21.3091, 17.7594 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, 59, 113)` looks like.

```
.text, #text, p{  
    color:rgb(231, 59, 113)  
}
```

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, 59, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 59, 113) }
```

## Border

The CSS property to change the border of an element to XYZ 37.4996, 21.3091, 17.7594 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, 59, 113) }
```



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

```
.border{ border-color:rgb(231, 59, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 59, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(231, 59, 113); -webkit-box-shadow:4px 4px 4px 4px rgb(231, 59, 113); box-shadow:4px 4px 4px 4px rgb(231, 59, 113) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.4996, 21.3091, 17.7594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 59, 113) }
```

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

```
.background{ background-color: rgb(231, 59,  
113) }
```

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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