

# Converting Colors

XYZ(40.0457, 29.1587, 21.7633)

Have a look what the booklet for  
XYZ(40.0457, 29.1587, 21.7633)  
contains.

<b>XYZ(39.8999, 29.1031, 21.6037)</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(39.8999, 29.1031,  
21.6037)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DF7279
RGB	223, 114, 121
RGB Percent	87%, 45%, 47%
CMY	0.1255, 0.5529, 0.5255
CMYK	0.00, 0.49, 0.46, 0.13
HSL	356°, 63%, 66%
HSV	356°, 49%, 87%
XYZ	39.8999, 29.1031, 21.6037
YIQ	147.3890, 62.7170, 25.2850

# Conversions

## Conversions Part 2

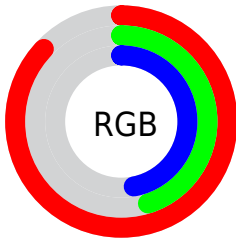
Format	Color
R <sub>Y</sub> B	223, 114, 121
Decimal	14643833
CIE Lab	60.87, 43.03, 15.89
CIE LCh	61, 45.874, 20.264
Yxy	29.1031, 0.4404, 0.3212
Android (android.graphics.Color)	4292833913 (0xFFDF7279)
YUV	147.3890, -13.0098, 66.3108
Hunter-Lab	53.9473, 37.6124, 14.0199

# Details

The XYZ color **39.8999, 29.1031, 21.6037** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **45.7233, 61.3112, 74.3939**, and the grayscale version is **27.9292, 29.3837, 31.9988**.

A 20% lighter version of the original color is **62.7855, 52.2824, 46.3175**, and **18.2351, 11.8188, 7.6235** is the 20% darker color. If you saturate the color by 10%, you get **36.5398, 24.2142, 14.8381**, and if you desaturate by 10%, it is **44.1515, 35.3319, 30.0327**.

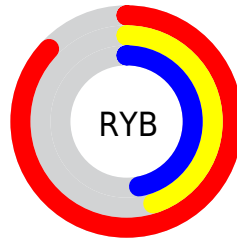
# Distribution



Red (87%)

Green (45%)

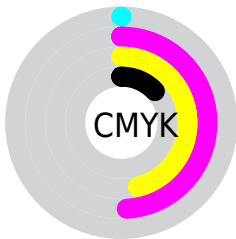
Blue (47%)



Red (87%)

Yellow (45%)

Blue (47%)

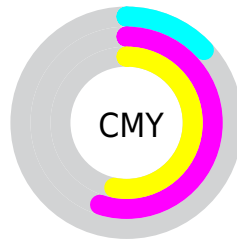


Cyan (0%)

Magenta (49%)

Yellow (46%)

Black (13%)



Cyan (13%)

Magenta (55%)


Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8999, 29.1031, 21.6037 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 39.8999, 29.1031, 21.6037 by changing the saturation by 10% instead.





 39.8999, 29.1031,  
21.6037


 39.8999, 29.1031,  
21.6037


336.8431,  
297.7011, 273.3553

 27.6444, 19.1588,  
13.3705


 74.2964, 58.2409,  
46.9839

 18.1968, 11.7851,  
7.5504


 97.1680, 78.2031,  
64.9679

 11.1919, 6.5975,  
3.7250


 124.3091,  
102.2735, 87.0393

 6.2643, 3.2117,  
1.4757

156.0849,  
130.8364, 113.6166

 3.0487, 1.2432,  
0.1998

192.8609,  
164.2762, 145.1183

 1.1795, 0.0966,  
0.0000

235.0024,

 0.0901, 0.0000,

202.9774, 181.9629

0.0000

282.8747,  
247.3242, 224.5691

■ 0.0000, 0.0000,  
0.0000

■ 39.8999, 29.1031,  
21.6037

■ 39.8999, 29.1031,  
21.6037

■ 36.5398, 24.2142,  
14.8381

■ 44.1515, 35.3319,  
30.0327

■ 34.0054, 20.5628,  
9.6242

■ 49.3494, 42.9842,  
40.2236

■ 32.2259, 18.0390,  
5.8391


■ 55.5469, 52.1420,  
52.2690


■ 31.1171, 16.5118,  
3.3409


■ 62.7925, 62.8801,  
66.2546

■ 30.5570, 15.7817,  
1.9520

■ 71.1316, 75.2679,  
82.2609

 30.5127, 15.7205,  
1.8527

 80.6069, 89.3709,  
100.3637

 84.2413, 94.4279,  
108.3942

# Harmonies

## Analogous

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



40.6005, 29.1031, 37.5845



39.8999, 29.1031, 21.6037



35.6751, 29.1031, 12.5226

# Triad

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



39.8999, 29.1031, 21.6037



19.7338, 29.1031, 14.9653



25.7639, 29.1031, 76.4388

# Complementary

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



39.8999, 29.1031, 21.6037



45.7233, 61.3112, 74.3939

# 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.



20.9481, 29.1031, 64.3235



39.8999, 29.1031, 21.6037



17.8130, 29.1031, 26.4435

# Square

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



39.8999, 29.1031, 21.6037



23.8702, 29.1031, 9.7589



18.2230, 29.1031, 44.5053



31.8347, 29.1031, 73.6624



# Rectangle

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



39.8999, 29.1031, 21.6037



31.7254, 29.1031, 9.7116



18.2230, 29.1031, 44.5053



23.9606, 29.1031, 73.8447

# Sweetspot

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



39.9006, 29.1046, 21.6042



78.8016, 75.8822, 77.6525



47.5775, 31.9222, 73.4657



16.4356, 15.6033, 15.7873



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.



39.9006, 29.1046, 21.6042



49.2948, 32.4913, 19.6540



46.2553, 42.4757, 21.6824



13.7427, 13.7147, 14.4154



17.9553, 9.2491, 1.1644



1.2573, 0.6462, 0.1477



# Inverse Universe

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



39.9006, 29.1046, 21.6042



49.2948, 32.4913, 19.6540



35.7397, 39.8659, 75.6229



13.7427, 13.7147, 14.4154



17.9553, 9.2491, 1.1644



1.2573, 0.6462, 0.1477



# Previews

## White Background



This preview shows how the XYZ color 39.8999, 29.1031, 21.6037 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

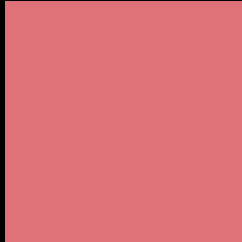
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 39.8999, 29.1031, 21.6037 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

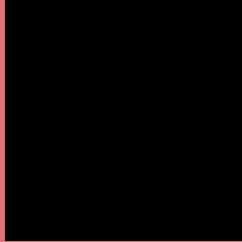
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 39.8999, 29.1031, 21.6037**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.8999, 29.1031, 21.6037.



This preview shows how white text looks on a background with the XYZ color 39.8999, 29.1031,



# 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

39.8999, 29.1031, 21.6037

### Protanopia

27.9701, 29.3778, 28.2411

### Deuteranopia

29.6905, 29.0814, 20.5714



## Tritanopia

39.9616, 29.1277, 21.9284

# Trichromacy



## Original Color

39.8999, 29.1031, 21.6037

## Protanomaly

31.1889, 28.4589, 25.6791

## Deuteranomaly

32.8722, 28.6170, 20.9306

## Tritanomaly

39.9616, 29.1277, 21.9284

# Monochromacy



## Original Color

39.8999, 29.1031, 21.6037

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

30.9306, 28.2769, 27.8725

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.8999, 29.1031, 21.6037 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(223, 114, 121)` looks like.

```
.text, #text, p{  
    color:rgb(223, 114, 121)  
}
```

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(223, 114, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 114, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 39.8999, 29.1031, 21.6037 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(223, 114, 121) }
```



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

```
.border{ border-color:rgb(223, 114, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 114, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 114, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 114, 121);  
box-shadow:4px 4px 4px 4px rgb(223, 114,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.8999, 29.1031, 21.6037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 114, 121) }
```

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

```
.background{ background-color: rgb(223,  
114, 121) }
```

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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