

Converting Colors

XYZ(37.4043, 28.9566, 22.2770)

Have a look what the booklet for
XYZ(37.4043, 28.9566, 22.2770)
contains.

XYZ(37.5639, 29.1019, 22.3763)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.5639, 29.1019,
22.3763)**

Conversions

Conversions Part 1

Format	Color
Hex	D4797B
RGB	212, 121, 123
RGB Percent	83%, 47%, 48%
CMY	0.1686, 0.5255, 0.5176
CMYK	0.00, 0.43, 0.42, 0.17
HSL	359°, 51%, 65%
HSV	359°, 43%, 83%
XYZ	37.5639, 29.1019, 22.3763
YIQ	148.4370, 53.5940, 19.9140

Conversions

Conversions Part 2

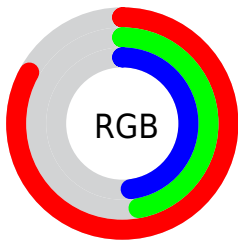
Format	Color
RYB	212, 121, 123
Decimal	13924731
CIELab	60.87, 35.59, 14.51
CIElCh	61, 38.431, 22.186
Yxy	29.1019, 0.4219, 0.3268
Android (android.graphics.Color)	4292114811 (0xFFD4797B)
YUV	148.4370, -12.5404, 55.7448
Hunter-Lab	53.9462, 29.8876, 13.1695

Details

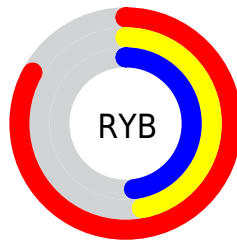
The XYZ color **37.5639, 29.1019, 22.3763** is a light color, and the websafe version is hex **CC6666**. A complement of this color would be **43.0629, 55.8056, 69.4780**, and the grayscale version is **28.3668, 29.8441, 32.5002**.

A 20% lighter version of the original color is **64.3078, 55.0151, 47.7870**, and **16.7526, 11.7448, 7.8626** is the 20% darker color. If you saturate the color by 10%, you get **34.1014, 24.0388, 15.4822**, and if you desaturate by 10%, it is **41.8689, 35.4100, 30.9081**.

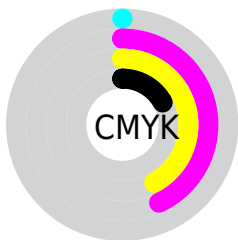
Distribution



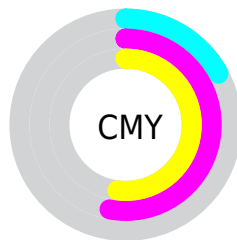
- Red (83%)
- Green (47%)
- Blue (48%)



- Red (83%)
- Yellow (47%)
- Blue (48%)



- Cyan (0%)
- Magenta (43%)
- Yellow (42%)
- Black (17%)





- Cyan (17%)
- Magenta (53%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.5639, 29.1019, 22.3763 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 37.5639, 29.1019, 22.3763 by changing the saturation by 10% instead.


 37.5639, 29.1019,
22.3763


 37.5639, 29.1019,
22.3763


327.0588,
297.6954, 277.5225

 25.8201, 19.1579,
13.9327


 70.7474, 58.2389,
48.2773

 16.8211, 11.7844,
7.9357


 92.9178, 78.2008,
66.5718

 10.2015, 6.5971,
3.9666


 119.2945,
102.2707, 88.9870

 5.5961, 3.2114,
1.6071

150.2428,
130.8332, 115.9414

 2.6394, 1.2431,
0.2958

186.1279,
164.2724, 147.8536

 0.9661, 0.0965,
0.0000

227.3155,

 0.0000, 0.0000,

202.9730, 185.1422

0.0000

274.1706,
247.3192, 228.2256

■ 37.5639, 29.1019,
22.3763

■ 37.5639, 29.1019,
22.3763

■ 34.1014, 24.0388,
15.4822

■ 41.8689, 35.4100,
30.9081

■ 31.4242, 20.1344,
10.1194

■ 47.0643, 43.0333,
41.1713

■ 29.4714, 17.2983,
6.1716


■ 53.1968, 52.0419,
53.2547

■ 28.1725, 15.4249,
3.5053


■ 60.3095, 62.4998,
67.2406

■ 27.4426, 14.3870,
1.9613

■ 68.4427, 74.4668,
83.2059

 27.1768, 14.0072,
1.4047

 77.6344, 87.9995,
101.2236

 80.9613, 92.7370,
108.2407

Harmonies

Analogous

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



38.3334, 29.1019, 35.5840



37.5639, 29.1019, 22.3763



33.9908, 29.1019, 14.5184

Triad

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



37.5639, 29.1019, 22.3763



20.7324, 29.1019, 17.6138



26.3725, 29.1019, 67.5914

Complementary

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



37.5639, 29.1019, 22.3763



43.0629, 55.8056, 69.4780

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.



22.1693, 29.1019, 58.8323



37.5639, 29.1019, 22.3763



19.1789, 29.1019, 28.0855

Square

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



37.5639, 29.1019, 22.3763



24.1829, 29.1019, 12.4032



19.6713, 29.1019, 43.2772



31.4565, 29.1019, 64.6766

Rectangle

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



37.5639, 29.1019, 22.3763



30.7106, 29.1019, 12.0223



19.6713, 29.1019, 43.2772



24.8194, 29.1019, 65.8410

Sweetspot

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



37.5647, 29.1034, 22.3768



80.5837, 78.7278, 80.4620



45.0068, 31.9802, 66.0879



16.7779, 16.1599, 16.2962



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.



37.5647, 29.1034, 22.3768



51.9701, 36.7660, 23.8624



43.7837, 41.7392, 23.8400



12.4342, 12.4252, 12.9607



16.7824, 8.6493, 0.8925



1.0162, 0.5233, 0.0747

Inverse Universe

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



37.5647, 29.1034, 22.3768



51.9701, 36.7660, 23.8624



34.0576, 37.3947, 67.7101



12.4342, 12.4252, 12.9607



16.7824, 8.6493, 0.8925



1.0162, 0.5233, 0.0747

Previews

White Background



This preview shows how the XYZ color 37.5639, 29.1019, 22.3763 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 37.5639, 29.1019, 22.3763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

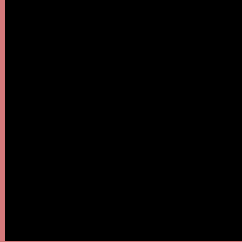
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.5639, 29.1019, 22.3763

Background



This preview shows how black text looks on a background with the XYZ color 37.5639, 29.1019, 22.3763.



This preview shows how white text looks on a background with the XYZ color 37.5639, 29.1019,

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

37.5639, 29.1019, 22.3763

Protanopia

28.0145, 29.4173, 27.4941

Deuteranopia

29.7974, 29.3358, 21.5447



Tritanopia

37.8303, 29.0150, 24.3755

Trichromacy



Original Color

37.5639, 29.1019, 22.3763

Protanomaly

30.6408, 28.8143, 25.4195

Deuteranomaly

32.1650, 28.8454, 21.6417

Tritanomaly

37.6986, 28.9623, 23.6820

Monochromacy



Original Color

37.5639, 29.1019, 22.3763

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

30.5433, 28.6990, 28.3557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5639, 29.1019, 22.3763 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(212, 121, 123)` looks like.

```
.text, #text, p{  
    color:rgb(212, 121, 123)  
}
```

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(212, 121, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 121, 123) }
```

Border

The CSS property to change the border of an element to XYZ 37.5639, 29.1019, 22.3763 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(212, 121, 123) }
```


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

```
.border{ border-color:rgb(212, 121, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 121, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 121, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 121, 123);  
box-shadow:4px 4px 4px 4px rgb(212, 121,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5639, 29.1019, 22.3763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 121, 123) }
```

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

```
.background{ background-color: rgb(212,  
121, 123) }
```

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