

Converting Colors

XYZ(37.8025, 22.3361, 53.7182)

Have a look what the booklet for
XYZ(37.8025, 22.3361, 53.7182)
contains.

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Color

**XYZ(37.6810, 22.2270,
53.9340)**

Conversions

Conversions Part 1

Format	Color
Hex	CD4DC3
RGB	205, 77, 195
RGB Percent	80%, 30%, 76%
CMY	0.1961, 0.6980, 0.2353
CMYK	0.00, 0.62, 0.05, 0.20
HSL	305°, 56%, 55%
HSV	305°, 62%, 80%
XYZ	37.6810, 22.2270, 53.9340
YIQ	128.7240, 38.4100, 63.8340

Conversions

Conversions Part 2

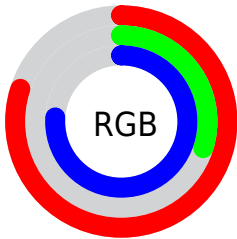
Format	Color
R _Y B	205, 77, 195
Decimal	13454787
CIE Lab	54.27, 64.43, -37.10
CIE LCh	54, 74.349, 330.070
Yxy	22.2270, 0.3310, 0.1952
Android (android.graphics.Color)	4291644867 (0xFFCD4DC3)
YUV	128.7240, 32.6741, 66.8941
Hunter-Lab	47.1455, 60.1613, -34.8253

Details

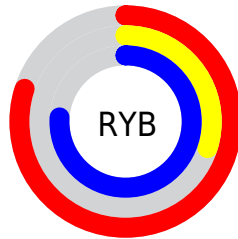
The XYZ color **37.6810, 22.2270, 53.9340** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **26.6132, 45.9294, 16.4808**, and the grayscale version is **20.6509, 21.7264, 23.6600**.

A 20% lighter version of the original color is **67.3358, 45.3385, 97.2977**, and **16.8403, 8.1261, 25.8802** is the 20% darker color. If you saturate the color by 10%, you get **36.2861, 19.7250, 52.5805**, and if you desaturate by 10%, it is **39.5312, 25.6355, 55.4493**.

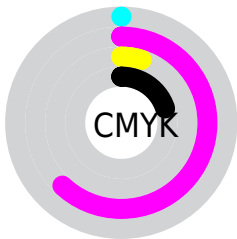
Distribution



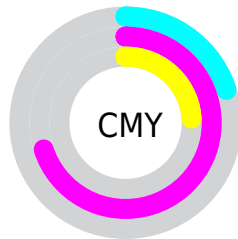
- Red (80%)
- Green (30%)
- Blue (76%)



- Red (80%)
- Yellow (30%)
- Blue (76%)



- Cyan (0%)
- Magenta (62%)
- Yellow (5%)
- Black (20%)





- Cyan (20%)
- Magenta (70%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6810, 22.2270, 53.9340 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 37.6810, 22.2270, 53.9340 by changing the saturation by 10% instead.

 37.6810, 22.2270,
53.9340


 37.6810, 22.2270,
53.9340

327.5541,
263.7294, 419.0258

 25.9113, 14.0238,
38.1561


 70.9260, 47.1209,
97.4328


 16.8896, 8.1372,
25.8011

 93.1320, 64.5804,
125.9907


 10.2506, 4.1829,
16.4505


 119.5474, 85.8940,
159.6457

 5.6290, 1.7764,
9.6857

 150.5377,
111.4463, 198.8163

 2.6593, 0.4724,
5.0882

 186.4681,
141.6216, 243.9211

 0.9763, 0.0000,
2.2394

227.7041,

 0.0000, 0.0000,

176.8043, 295.3786

0.6970

274.6110,
217.3788, 353.6073

■ 0.0000, 0.0000,
0.0000

■ 37.6810, 22.2270,
53.9340

■ 37.6810, 22.2270,
53.9340

■ 36.2861, 19.7250,
52.5805

■ 39.5312, 25.6355,
55.4493

■ 35.3001, 18.0382,
51.3726

■ 41.8729, 30.0243,
57.1378

■ 34.6708, 17.0616,
50.2931

■ 44.7410, 35.4629,
59.0115

■ 34.3607, 16.6527,
49.5382

■ 48.1670, 42.0140,
61.0808

■ 52.1795, 49.7351,
63.3553

■ 56.8054, 58.6799,
65.8440

■ 62.0699, 68.8987,
68.5553

■ 67.9967, 80.4389,
71.4972

■ 72.4973, 89.1234,
73.9734

Harmonies

Analogous

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



29.9198, 22.2270, 86.8656



37.6810, 22.2270, 53.9340



40.8156, 22.2270, 24.1467

Triad

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



37.6810, 22.2270, 53.9340



21.1070, 22.2270, 1.3952



10.3198, 22.2270, 54.0960

Complementary

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



37.6810, 22.2270, 53.9340



26.6132, 45.9294, 16.4808

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.



9.0748, 22.2270, 24.2562



37.6810, 22.2270, 53.9340



14.2501, 22.2270, 2.4951

Square

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



37.6810, 22.2270, 53.9340



29.8780, 22.2270, 2.4831



10.3080, 22.2270, 8.0827



14.2756, 22.2270, 86.9941

Rectangle

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



37.6810, 22.2270, 53.9340



39.3675, 22.2270, 11.9049



10.3080, 22.2270, 8.0827



9.6234, 22.2270, 42.9385

Sweetspot

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



37.6818, 22.2280, 53.9344



80.8904, 72.6465, 101.2030



17.4693, 11.6731, 59.0906



16.9262, 14.8047, 21.4375



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.



37.6818, 22.2280, 53.9344



58.7960, 31.1933, 85.4047



32.0285, 19.9667, 24.1649



11.6483, 11.3880, 13.9483



21.4068, 10.3733, 30.9243



1.1158, 0.5397, 1.6559

Inverse Universe

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



37.6818, 22.2280, 53.9344



58.7960, 31.1933, 85.4047



30.3604, 47.4282, 36.2133



11.6483, 11.3880, 13.9483



21.4068, 10.3733, 30.9243



1.1158, 0.5397, 1.6559

Previews

White Background



This preview shows how the XYZ color 37.6810, 22.2270, 53.9340 looks on a white background.

Color Contrast Check

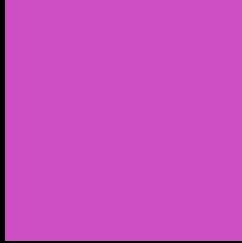
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.6810, 22.2270, 53.9340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

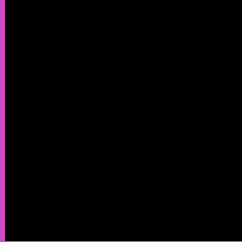
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.6810, 22.2270, 53.9340

Background



This preview shows how black text looks on a background with the XYZ color 37.6810, 22.2270, 53.9340.

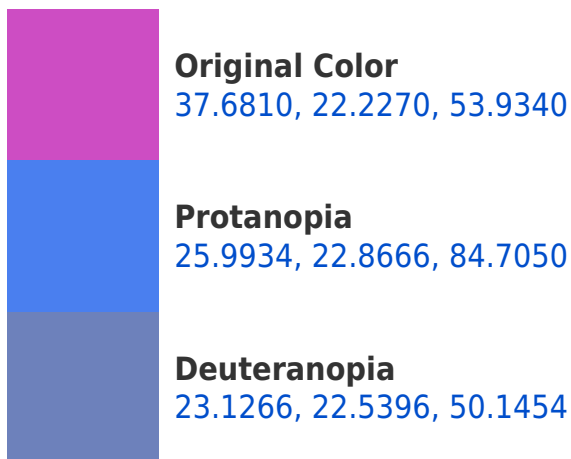


This preview shows how white text looks on a background with the XYZ color 37.6810, 22.2270,

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





Tritanopia

29.9197, 22.0136, 17.1401

Trichromacy



Original Color

37.6810, 22.2270, 53.9340



Protanomaly

26.8140, 20.4026, 72.3369



Deuteranomaly

26.3718, 20.7989, 51.3398



Tritanomaly

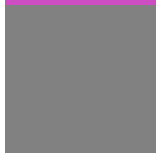
32.1140, 21.6899, 27.3049

Monochromacy



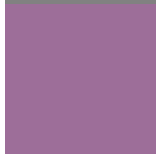
Original Color

37.6810, 22.2270, 53.9340



Achromatopsia

20.8660, 21.9526, 23.9064



Achromatomaly

25.2303, 20.6199, 32.7872

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6810, 22.2270, 53.9340 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(205, 77, 195)` looks like.

```
.text, #text, p{  
    color:rgb(205, 77, 195)  
}
```

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(205, 77, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 77, 195) }
```

Border

The CSS property to change the border of an element to XYZ 37.6810, 22.2270, 53.9340 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(205, 77, 195) }
```


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

```
.border{ border-color:rgb(205, 77, 195) }
```

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

Here you see how a box with a 4 pixel rgb(205, 77, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 77, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 77, 195);  
box-shadow:4px 4px 4px 4px rgb(205, 77,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6810, 22.2270, 53.9340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 77, 195) }
```

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

```
.background{ background-color: rgb(205, 77,  
195) }
```

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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