

Converting Colors

XYZ(37.3605, 19.2659, 53.9642)

Have a look what the booklet for
XYZ(37.3605, 19.2659, 53.9642)
contains.

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Color

**XYZ(37.3351, 19.2730,
53.9768)**

Conversions

Conversions Part 1

Format	Color
Hex	D229C4
RGB	210, 41, 196
RGB Percent	82%, 16%, 77%
CMY	0.1765, 0.8392, 0.2314
CMYK	0.00, 0.80, 0.07, 0.18
HSL	305°, 67%, 49%
HSV	305°, 80%, 82%
XYZ	37.3351, 19.2730, 53.9768
YIQ	109.2010, 50.9690, 84.0330

Conversions

Conversions Part 2

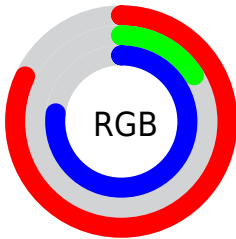
Format	Color
R _{YB}	210, 41, 196
Decimal	13773252
CIE Lab	51.01, 77.37, -42.76
CIE LCh	51, 88.397, 331.070
Yxy	19.2730, 0.3376, 0.1743
Android (android.graphics.Color)	4291963332 (0xFFD229C4)
YUV	109.2010, 42.7919, 88.4007
Hunter-Lab	43.9010, 74.9764, -42.1670

Details

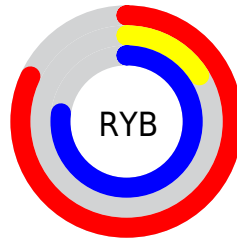
The XYZ color **37.3351, 19.2730, 53.9768** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light washed magenta. A complement of this color would be **24.6516, 46.8414, 11.3578**, and the grayscale version is **14.4666, 15.2200, 16.5746**.

A 20% lighter version of the original color is **64.3322, 39.0770, 97.0804**, and **17.6450, 8.5323, 26.3081** is the 20% darker color. If you saturate the color by 10%, you get **36.5959, 18.1092, 52.7591**, and if you desaturate by 10%, it is **38.4650, 21.2134, 55.3364**.

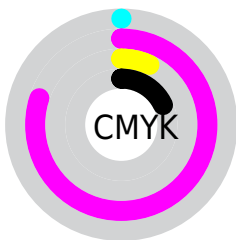
Distribution



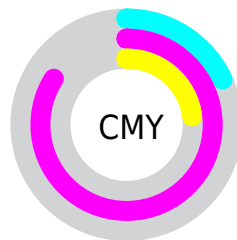
- Red (82%)
- Green (16%)
- Blue (77%)



- Red (82%)
- Yellow (16%)
- Blue (77%)



- Cyan (0%)
- Magenta (80%)
- Yellow (7%)
- Black (18%)





- Cyan (18%)
- Magenta (84%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3351, 19.2730, 53.9768 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 37.3351, 19.2730, 53.9768 by changing the saturation by 10% instead.

 37.3351, 19.2730,
53.9768


 37.3351, 19.2730,
53.9768


326.0894,
247.9518, 419.1937


 25.6419, 11.8677,
38.1901

 70.3984, 42.1949,
97.4962


 16.6872, 6.6537,
25.8273


 92.4991, 58.4803,
126.0660

 10.1057, 3.2465,
16.4699


 118.7998, 78.4945,
159.7339

 5.5319, 1.2617,
9.6993

 149.6658,
102.6219, 198.9184

 2.6005, 0.1113,
5.0971

 185.4624,
131.2470, 244.0381

 0.9462, 0.0000,
2.2446

226.5550,

 0.0000, 0.0000,

164.7540, 295.5115

0.6999

273.3089,
203.5275, 353.7572

■ 0.0000, 0.0000,
0.0000

■ 37.3351, 19.2730,
53.9768

■ 37.3351, 19.2730,
53.9768

■ 36.5959, 18.1092,
52.7591

■ 38.4650, 21.2134,
55.3364

■ 36.1601, 17.5344,
51.6986

■ 40.0374, 24.0358,
56.8547

■ 42.0986, 27.8319,
58.5473

■ 44.6883, 32.6816,
60.4276

■ 47.8424, 38.6561,
62.5075

■ 51.5934, 45.8208,
64.7979

■ 55.9715, 54.2358,
67.3088

■ 61.0046, 63.9573,
70.0497

■ 66.7193, 75.0379,
73.0294

Harmonies

Analogous

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



28.4424, 19.2730, 95.1954



37.3351, 19.2730, 53.9768



40.8068, 19.2730, 20.0981

Triad

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



37.3351, 19.2730, 53.9768



18.0061, 19.2730, 0.0000



7.3583, 19.2730, 56.9553

Complementary

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



37.3351, 19.2730, 53.9768



24.6516, 46.8414, 11.3578

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.



6.1226, 19.2730, 21.8976



37.3351, 19.2730, 53.9768



10.9368, 19.2730, 0.8546

Square

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



37.3351, 19.2730, 53.9768



27.7190, 19.2730, 0.7392



7.1886, 19.2730, 5.2437



11.3271, 19.2730, 97.6822

Rectangle

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



37.3351, 19.2730, 53.9768



38.9234, 19.2730, 7.9940



7.1886, 19.2730, 5.2437



6.6789, 19.2730, 43.5040

Sweetspot

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



37.3358, 19.2739, 53.9772



77.7316, 66.6523, 99.1529



13.8567, 6.9772, 61.5900



16.1934, 13.4180, 20.9503



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.



37.3358, 19.2739, 53.9772



56.2473, 27.3958, 80.5477



30.4229, 16.5088, 17.5742



12.2668, 11.9915, 14.6807



22.0749, 10.7028, 31.6301



1.2471, 0.6035, 1.8358

Inverse Universe

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



37.3358, 19.2739, 53.9772



56.2473, 27.3958, 80.5477



28.4607, 48.3650, 31.4165



12.2668, 11.9915, 14.6807



22.0749, 10.7028, 31.6301



1.2471, 0.6035, 1.8358

Previews

White Background



This preview shows how the XYZ color 37.3351, 19.2730, 53.9768 looks on a white background.

Color Contrast Check

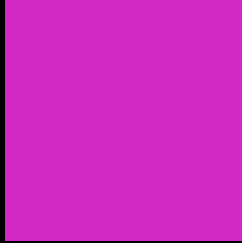
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.3351, 19.2730, 53.9768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

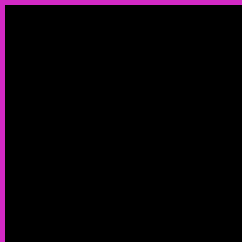
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.3351, 19.2730, 53.9768

Background



This preview shows how black text looks on a background with the XYZ color 37.3351, 19.2730, 53.9768.



This preview shows how white text looks on a background with the XYZ color 37.3351, 19.2730,

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

37.3351, 19.2730, 53.9768

Protanopia

23.7338, 19.8590, 93.0247

Deuteranopia

20.1301, 19.6972, 48.6399



Tritanopia

28.5690, 19.2209, 11.8771

Trichromacy



Original Color

37.3351, 19.2730, 53.9768



Protanomaly

20.9196, 14.5620, 76.5711



Deuteranomaly

23.0913, 16.6537, 50.1416



Tritanomaly

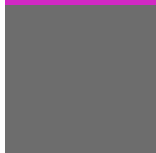
30.6582, 18.4157, 22.7076

Monochromacy



Original Color

37.3351, 19.2730, 53.9768



Achromatopsia

14.5356, 15.2926, 16.6537



Achromatomaly

19.8321, 14.3747, 26.9286

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3351, 19.2730, 53.9768 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(210, 41, 196)` looks like.

```
.text, #text, p{  
    color:rgb(210, 41, 196)  
}
```

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(210, 41, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 41, 196) }
```

Border

The CSS property to change the border of an element to XYZ 37.3351, 19.2730, 53.9768 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(210, 41, 196) }
```


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

```
.border{ border-color:rgb(210, 41, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 41, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 41, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 41, 196);  
box-shadow:4px 4px 4px 4px rgb(210, 41,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3351, 19.2730, 53.9768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 41, 196) }
```

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

```
.background{ background-color: rgb(210, 41,  
196) }
```

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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