

Converting Colors

XYZ(37.7983, 19.2686, 52.2695)

Have a look what the booklet for
XYZ(37.7983, 19.2686, 52.2695)
contains.

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Color

**XYZ(37.6672, 19.1985,
52.1725)**

Conversions

Conversions Part 1

Format	Color
Hex	D523C1
RGB	213, 35, 193
RGB Percent	84%, 14%, 76%
CMY	0.1647, 0.8627, 0.2431
CMYK	0.00, 0.84, 0.09, 0.16
HSL	307°, 72%, 49%
HSV	307°, 84%, 84%
XYZ	37.6672, 19.1985, 52.1725
YIQ	106.2340, 55.3700, 86.8740

Conversions

Conversions Part 2

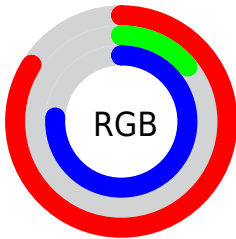
Format	Color
R _Y B	213, 35, 193
Decimal	13968321
CIE Lab	50.92, 78.82, -41.13
CIE LCh	51, 88.906, 332.446
Yxy	19.1985, 0.3454, 0.1761
Android (android.graphics.Color)	4292158401 (0xFFD523C1)
YUV	106.2340, 42.7756, 93.6338
Hunter-Lab	43.8161, 76.7722, -39.9263

Details

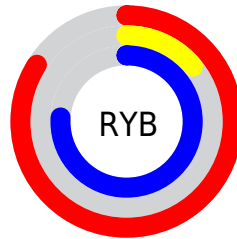
The XYZ color **37.6672, 19.1985, 52.1725** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light washed magenta. A complement of this color would be **25.1780, 48.2224, 11.5972**, and the grayscale version is **13.6417, 14.3521, 15.6294**.

A 20% lighter version of the original color is **63.5469, 38.2653, 94.4791**, and **17.9866, 8.7341, 25.1639** is the 20% darker color. If you saturate the color by 10%, you get **36.9547, 18.1970, 50.6284**, and if you desaturate by 10%, it is **38.7652, 20.9632, 53.8667**.

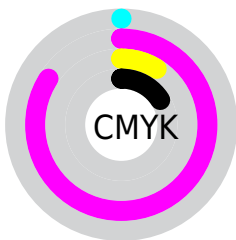
Distribution



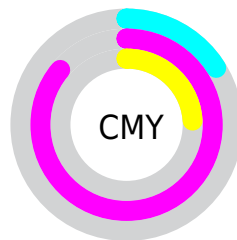
- Red (84%)
- Green (14%)
- Blue (76%)



- Red (84%)
- Yellow (14%)
- Blue (76%)



- Cyan (0%)
- Magenta (84%)
- Yellow (9%)
- Black (16%)





- Cyan (16%)
- Magenta (86%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6672, 19.1985, 52.1725 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 37.6672, 19.1985, 52.1725 by changing the saturation by 10% instead.


 37.6672, 19.1985,
52.1725


 37.6672, 19.1985,
52.1725

327.4958,
247.5424, 412.0781


 25.9005, 11.8138,
36.7594


 70.9049, 42.0692,
94.8148


 16.8815, 6.6170,
24.7269


 93.1067, 58.3241,
122.8810


 10.2448, 3.2238,
15.6566


 119.5176, 78.3044,
156.0020

 5.6251, 1.2496,
9.1297

 150.5029,
102.3947, 194.5964

 2.6570, 0.1017,
4.7279

 186.4281,
130.9792, 239.0827

 0.9751, 0.0000,
2.0326

227.6583,

 0.0000, 0.0000,

164.4424, 289.8793

0.5752

274.5591,
203.1687, 347.4050

■ 0.0000, 0.0000,
0.0000

■ 37.6672, 19.1985,
52.1725

■ 37.6672, 19.1985,
52.1725

■ 36.9547, 18.1970,
50.6284

■ 38.7652, 20.9632,
53.8667

■ 36.6332, 17.8232,
49.6910

■ 40.3064, 23.6079,
55.7300

■ 42.3410, 27.2324,
57.7792

■ 44.9119, 31.9225,
60.0289

■ 48.0573, 37.7545,
62.4917

■ 51.8119, 44.7977,
65.1794

■ 56.2075, 53.1160,
68.1027

■ 61.2739, 62.7688,
71.2716

■ 67.0390, 73.8116,
74.6954

Harmonies

Analogous

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



28.8796, 19.1985, 93.9508



37.6672, 19.1985, 52.1725



40.8296, 19.1985, 18.9087

Triad

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



37.6672, 19.1985, 52.1725



17.5369, 19.1985, 0.0000



7.3910, 19.1985, 59.0247

Complementary

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



37.6672, 19.1985, 52.1725



25.1780, 48.2224, 11.5972

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.



6.0482, 19.1985, 23.0348



37.6672, 19.1985, 52.1725



10.6095, 19.1985, 0.8923

Square

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



37.6672, 19.1985, 52.1725



27.2187, 19.1985, 0.6271



7.0038, 19.1985, 5.5714



11.5023, 19.1985, 99.6800

Rectangle

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



37.6672, 19.1985, 52.1725



38.7070, 19.1985, 7.3494



7.0038, 19.1985, 5.5714



6.6734, 19.1985, 45.3151

Sweetspot

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



37.6679, 19.1994, 52.1729



76.8433, 65.3979, 97.2469



14.0702, 6.7589, 63.5142



16.0081, 13.1721, 20.5040



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.



37.6679, 19.1994, 52.1729



55.0150, 26.7700, 74.4680



30.6546, 16.3941, 15.2415



12.8901, 12.6075, 15.3616



22.4009, 10.8967, 30.4790



1.3686, 0.6642, 1.9306

Inverse Universe

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



37.6679, 19.1994, 52.1729



55.0150, 26.7700, 74.4680



29.3560, 49.8936, 33.5982



12.8901, 12.6075, 15.3616



22.4009, 10.8967, 30.4790



1.3686, 0.6642, 1.9306

Previews

White Background



This preview shows how the XYZ color 37.6672, 19.1985, 52.1725 looks on a white background.

Color Contrast Check

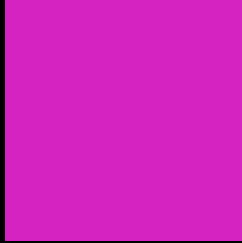
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.6672, 19.1985, 52.1725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

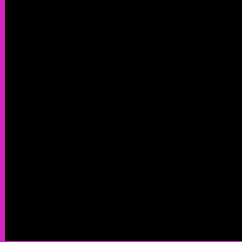
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.6672, 19.1985, 52.1725

Background



This preview shows how black text looks on a background with the XYZ color 37.6672, 19.1985, 52.1725.



This preview shows how white text looks on a background with the XYZ color 37.6672, 19.1985,

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

37.6672, 19.1985, 52.1725

Protanopia

23.7338, 19.8590, 93.0247

Deuteranopia

20.0002, 19.4850, 46.9628



Tritanopia

29.2507, 19.2533, 10.9787

Trichromacy



Original Color

37.6672, 19.1985, 52.1725



Protanomaly

20.6931, 14.2144, 75.7817



Deuteranomaly

23.0003, 16.2608, 48.3808



Tritanomaly

31.2672, 18.4129, 21.3081

Monochromacy



Original Color

37.6672, 19.1985, 52.1725



Achromatopsia

13.6994, 14.4128, 15.6956



Achromatomaly

19.1332, 13.5920, 25.6599

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6672, 19.1985, 52.1725 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(213, 35, 193)` looks like.

```
.text, #text, p{  
    color:rgb(213, 35, 193)  
}
```

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(213, 35, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 35, 193) }
```

Border

The CSS property to change the border of an element to XYZ 37.6672, 19.1985, 52.1725 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(213, 35, 193) }
```


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

```
.border{ border-color:rgb(213, 35, 193) }
```

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

Here you see how a box with a 4 pixel rgb(213, 35, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 35, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 35, 193);  
box-shadow:4px 4px 4px 4px rgb(213, 35,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6672, 19.1985, 52.1725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 35, 193) }
```

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

```
.background{ background-color: rgb(213, 35,  
193) }
```

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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