

Converting Colors

XYZ(37.3979, 19.6863, 59.6955)

Have a look what the booklet for
XYZ(37.3979, 19.6863, 59.6955)
contains.

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Color

**XYZ(37.3369, 19.6681,
59.5861)**

Conversions

Conversions Part 1

Format	Color
Hex	CD32CD
RGB	205, 50, 205
RGB Percent	80%, 20%, 80%
CMY	0.1961, 0.8039, 0.1961
CMYK	0.00, 0.76, 0.00, 0.20
HSL	300°, 61%, 50%
HSV	300°, 76%, 80%
XYZ	37.3369, 19.6681, 59.5861
YIQ	114.0150, 42.6250, 81.0650

Conversions

Conversions Part 2

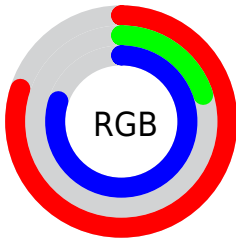
Format	Color
R _{YB}	205, 50, 205
Decimal	13447885
CIE Lab	51.46, 75.41, -47.28
CIE LCh	51, 89.008, 327.914
Yxy	19.6681, 0.3202, 0.1687
Android (android.graphics.Color)	4291637965 (0xFFCD32CD)
YUV	114.0150, 44.8556, 79.7938
Hunter-Lab	44.3487, 72.6677, -48.6168

Details

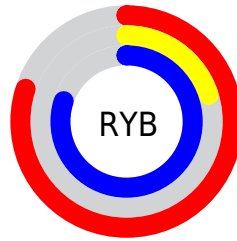
The XYZ color **37.3369, 19.6681, 59.5861** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **23.7233, 44.5720, 10.3715**, and the grayscale version is **15.8609, 16.6869, 18.1721**.

A 20% lighter version of the original color is **65.1951, 40.2903, 98.9484**, and **17.3591, 8.3130, 29.5438** is the 20% darker color. If you saturate the color by 10%, you get **36.6486, 18.2910, 59.3567**, and if you desaturate by 10%, it is **38.4188, 21.8313, 59.9470**.

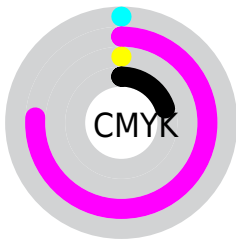
Distribution



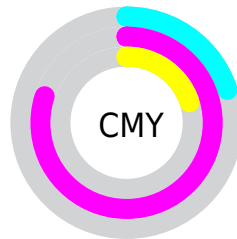
- Red (80%)
- Green (20%)
- Blue (80%)



- Red (80%)
- Yellow (20%)
- Blue (80%)



- Cyan (0%)
- Magenta (76%)
- Yellow (0%)
- Black (20%)





- Cyan (20%)
- Magenta (80%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3369, 19.6681, 59.5861 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 37.3369, 19.6681, 59.5861 by changing the saturation by 10% instead.

 37.3369, 19.6681,
59.5861


 37.3369, 19.6681,
59.5861


326.0971,
250.1126, 440.8327

 25.6433, 12.1540,
42.6620


 70.4011, 42.8600,
105.7665

 16.6883, 6.8487,
29.2906


 92.5024, 59.3067,
135.8599


 10.1064, 3.3676,
19.0533


 118.8037, 79.4996,
171.1801

 5.5324, 1.3265,
11.5316

 149.6704,
103.8232, 212.1457

 2.6008, 0.1616,
6.3069

 185.4676,
132.6620, 259.1752

 0.9464, 0.0000,
2.9608

226.5609,

 0.0000, 0.0000,

166.4002, 312.6872

1.0747

273.3156,
205.4223, 373.1002

■ 0.0000, 0.0000,
0.0000

■ 37.3369, 19.6681,
59.5861

■ 37.3369, 19.6681,
59.5861

■ 36.6486, 18.2910,
59.3567

■ 38.4188, 21.8313,
59.9470

■ 36.2945, 17.5827,
59.2386

■ 39.9385, 24.8707,
60.4536

■ 36.1967, 17.3871,
59.2060

■ 41.9368, 28.8672,
61.1198

■ 44.4492, 33.8919,
61.9573

■ 47.5078, 40.0090,
62.9769

■ 51.1420, 47.2776,
64.1884

■ 55.3795, 55.7524,
65.6010

■ 60.2457, 65.4848,
67.2231

■ 65.7648, 76.5231,
69.0629

Harmonies

Analogous

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



27.9372, 19.6681, 100.8606



37.3369, 19.6681, 59.5861



41.6326, 19.6681, 23.2552

Triad

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



37.3369, 19.6681, 59.5861



19.3258, 19.6681, 0.0000



7.2576, 19.6681, 53.6618

Complementary

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



37.3369, 19.6681, 59.5861



23.7233, 44.5720, 10.3715

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.



6.2512, 19.6681, 19.6749



37.3369, 19.6681, 59.5861



11.7540, 19.6681, 0.7042

Square

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



37.3369, 19.6681, 59.5861



29.3760, 19.6681, 0.9307



7.5953, 19.6681, 4.4769



10.9773, 19.6681, 95.9151

Rectangle

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



37.3369, 19.6681, 59.5861



40.2483, 19.6681, 9.5731



7.5953, 19.6681, 4.4769



6.6550, 19.6681, 40.3766

Sweetspot

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



37.3377, 19.6690, 59.5865



79.1089, 68.1179, 103.5860



13.4763, 7.3680, 58.4704



16.5003, 13.7156, 22.0276



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.



37.3377, 19.6690, 59.5865



59.5952, 29.0907, 97.0806



30.1819, 16.8067, 21.9048



11.6876, 11.4038, 14.1555



22.5334, 10.8240, 36.8574



1.1625, 0.5584, 1.9014

Inverse Universe

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



37.3377, 19.6690, 59.5865



59.5952, 29.0907, 97.0806



27.0112, 45.8871, 27.6850



11.6876, 11.4038, 14.1555



22.5334, 10.8240, 36.8574



1.1625, 0.5584, 1.9014

Previews

White Background



This preview shows how the XYZ color 37.3369, 19.6681, 59.5861 looks on a white background.

Color Contrast Check

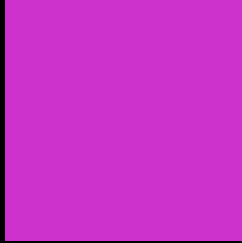
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.3369, 19.6681, 59.5861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

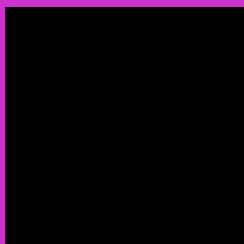
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.3369, 19.6681, 59.5861

Background



This preview shows how black text looks on a background with the XYZ color 37.3369, 19.6681, 59.5861.



This preview shows how white text looks on a background with the XYZ color 37.3369, 19.6681,

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

37.3369, 19.6681, 59.5861

Protanopia

24.1675, 20.2219, 94.7249

Deuteranopia

20.4767, 19.9458, 53.8096



Tritanopia

27.8911, 19.6827, 13.6384

Trichromacy



Original Color

37.3369, 19.6681, 59.5861



Protanomaly

21.8998, 15.4994, 80.4347



Deuteranomaly

23.2780, 17.0322, 55.4867



Tritanomaly

30.0543, 18.8168, 25.3405

Monochromacy



Original Color

37.3369, 19.6681, 59.5861



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

21.0402, 15.7918, 29.5429

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3369, 19.6681, 59.5861 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, 50, 205)` looks like.

```
.text, #text, p{  
    color:rgb(205, 50, 205)  
}
```

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, 50, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 50, 205) }
```

Border

The CSS property to change the border of an element to XYZ 37.3369, 19.6681, 59.5861 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, 50, 205) }
```


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

```
.border{ border-color:rgb(205, 50, 205) }
```

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

Here you see how a box with a 4 pixel rgb(205, 50, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 50, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 50, 205);  
box-shadow:4px 4px 4px 4px rgb(205, 50,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3369, 19.6681, 59.5861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 50, 205) }
```

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

```
.background{ background-color: rgb(205, 50,  
205) }
```

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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