

Converting Colors

XYZ(37.0937, 19.2489, 60.2118)

Have a look what the booklet for
XYZ(37.0937, 19.2489, 60.2118)
contains.

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Color

**XYZ(36.9808, 19.1704,
60.1437)**

Conversions

Conversions Part 1

Format	Color
Hex	CC2DCE
RGB	204, 45, 206
RGB Percent	80%, 18%, 81%
CMY	0.2000, 0.8235, 0.1922
CMYK	0.01, 0.78, 0.00, 0.19
HSL	299°, 64%, 49%
HSV	299°, 78%, 81%
XYZ	36.9808, 19.1704, 60.1437
YIQ	110.8950, 43.0830, 83.7790

Conversions

Conversions Part 2

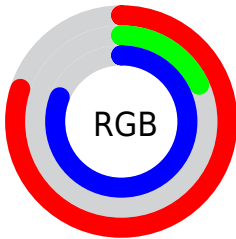
Format	Color
RYB	204, 45, 206
Decimal	13381070
CIELab	50.89, 76.72, -48.78
CIELCh	51, 90.912, 327.551
Yxy	19.1704, 0.3180, 0.1648
Android (android.graphics.Color)	4291571150 (0xFFCC2DCE)
YUV	110.8950, 46.8868, 81.6531
Hunter-Lab	43.7840, 74.1424, -50.7946

Details

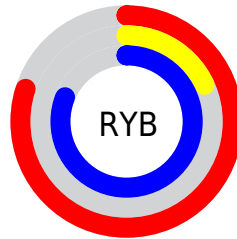
The XYZ color **36.9808, 19.1704, 60.1437** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as middle muted magenta. A complement of this color would be **23.7179, 44.9369, 9.9072**, and the grayscale version is **14.9404, 15.7184, 17.1174**.

A 20% lighter version of the original color is **64.8659, 39.6319, 98.8386**, and **17.2630, 8.2541, 29.9615** is the 20% darker color. If you saturate the color by 10%, you get **36.3079, 17.9280, 59.9396**, and if you desaturate by 10%, it is **38.0385, 21.1809, 60.4763**.

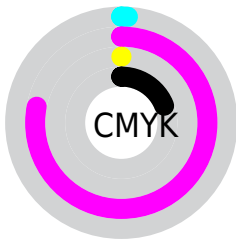
Distribution



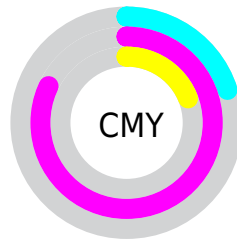
- Red (80%)
- Green (18%)
- Blue (81%)



- Red (80%)
- Yellow (18%)
- Blue (81%)



- Cyan (1%)
- Magenta (78%)
- Yellow (0%)
- Black (19%)





- Cyan (20%)
- Magenta (82%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9808, 19.1704, 60.1437 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 36.9808, 19.1704, 60.1437 by changing the saturation by 10% instead.

 36.9808, 19.1704,
60.1437


 36.9808, 19.1704,
60.1437

324.5844,
247.3879, 442.9466


 25.3662, 11.7935,
43.1084


 69.8573, 42.0218,
106.5835


 16.4803, 6.6032,
29.6382


 91.8499, 58.2651,
136.8251


 9.9577, 3.2152,
19.3144


 118.0326, 78.2327,
172.3059

 5.4329, 1.2451,
11.7186

 148.7707,
102.3089, 213.4444

 2.5408, 0.0981,
6.4321

 184.4296,
130.8781, 260.6592

 0.9159, 0.0000,
3.0366

225.3746,

 0.0000, 0.0000,

164.3247, 314.3688

1.1133

271.9710,
203.0332, 374.9917

■ 0.0000, 0.0000,
0.0000

■ 36.9808, 19.1704,
60.1437

■ 36.9808, 19.1704,
60.1437

■ 36.3079, 17.9280,
59.9396

■ 38.0385, 21.1809,
60.4763

■ 35.9442, 17.3043,
59.8384

■ 39.5278, 24.0553,
60.9526

■ 35.8899, 17.2150,
59.8240

■ 41.4915, 27.8782,
61.5870

■ 43.9666, 32.7236,
62.3918

■ 46.9863, 38.6581,
63.3781

■ 50.5810, 45.7426,
64.5561

■ 54.7792, 54.0337,
65.9352

■ 59.6071, 63.5841,
67.5241

■ 65.0895, 74.4434,
69.3312

Harmonies

Analogous

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



27.4131, 19.1704, 102.3592



36.9808, 19.1704, 60.1437



41.4376, 19.1704, 23.0545

Triad

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



36.9808, 19.1704, 60.1437



18.9674, 19.1704, 0.0000



6.8129, 19.1704, 53.0449

Complementary

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



36.9808, 19.1704, 60.1437



23.7179, 44.9369, 9.9072

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.



5.8553, 19.1704, 18.8342



36.9808, 19.1704, 60.1437



11.3544, 19.1704, 0.4986

Square

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



36.9808, 19.1704, 60.1437



29.1225, 19.1704, 0.7702



7.2024, 19.1704, 4.0101



10.4489, 19.1704, 96.3906

Rectangle

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



36.9808, 19.1704, 60.1437



40.0920, 19.1704, 9.2453



7.2024, 19.1704, 4.0101



6.2322, 19.1704, 39.5792

Sweetspot

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



36.9816, 19.1713, 60.1441



78.8415, 67.9801, 103.5738



13.2676, 7.1032, 59.0646



16.4341, 13.6814, 22.0246



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.



36.9816, 19.1713, 60.1441



58.3785, 28.2700, 96.9875



30.3011, 16.5628, 22.0869



11.6733, 11.3964, 14.1548



22.1063, 10.6038, 36.8379



1.1450, 0.5494, 1.9006

Inverse Universe

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



26.9057, 15.2047, 4.2069



41.5265, 21.6548, 2.5753



26.7180, 46.1265, 26.1755



11.2179, 11.2159, 11.6821



15.6848, 8.0845, 0.7929



0.8112, 0.4179, 0.0515

Previews

White Background



This preview shows how the XYZ color 36.9808, 19.1704, 60.1437 looks on a white background.

Color Contrast Check

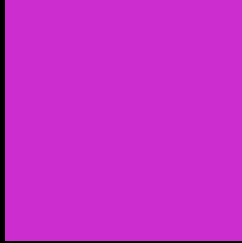
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.9808, 19.1704, 60.1437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

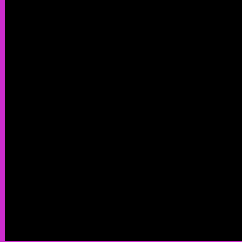
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.9808, 19.1704, 60.1437

Background



This preview shows how black text looks on a background with the XYZ color 36.9808, 19.1704, 60.1437.



This preview shows how white text looks on a background with the XYZ color 36.9808, 19.1704,

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

36.9808, 19.1704, 60.1437

Protanopia

23.4602, 19.5621, 92.1619

Deuteranopia

20.0343, 19.5215, 54.3419



Tritanopia

27.3762, 19.1774, 13.0852

Trichromacy



Original Color

36.9808, 19.1704, 60.1437



Protanomaly

21.2731, 14.8212, 78.8304



Deuteranomaly

22.6237, 16.4140, 56.0087



Tritanomaly

29.5207, 18.2501, 24.8884

Monochromacy



Original Color

36.9808, 19.1704, 60.1437



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

20.2736, 14.9115, 29.0038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9808, 19.1704, 60.1437 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(204, 45, 206)` looks like.

```
.text, #text, p{  
    color:rgb(204, 45, 206)  
}
```

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(204, 45, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 45, 206) }
```

Border

The CSS property to change the border of an element to XYZ 36.9808, 19.1704, 60.1437 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(204, 45, 206) }
```


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

```
.border{ border-color:rgb(204, 45, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 45, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 45, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 45, 206);  
box-shadow:4px 4px 4px 4px rgb(204, 45,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9808, 19.1704, 60.1437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 45, 206) }
```

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

```
.background{ background-color: rgb(204, 45,  
206) }
```

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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