

Converting Colors

XYZ(40.2301, 21.1514, 64.2452)

Have a look what the booklet for
XYZ(40.2301, 21.1514, 64.2452)
contains.

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Color

**XYZ(40.2189, 21.1182,
64.2438)**

Conversions

Conversions Part 1

Format	Color
Hex	D433D4
RGB	212, 51, 212
RGB Percent	83%, 20%, 83%
CMY	0.1686, 0.8000, 0.1686
CMYK	0.00, 0.76, 0.00, 0.17
HSL	300°, 65%, 52%
HSV	300°, 76%, 83%
XYZ	40.2189, 21.1182, 64.2438
YIQ	117.4930, 44.2750, 84.2030

Conversions

Conversions Part 2

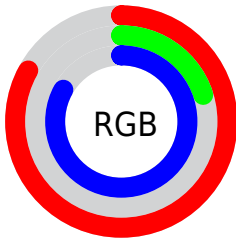
Format	Color
R _{YB}	212, 51, 212
Decimal	13906900
CIE Lab	53.08, 77.62, -48.65
CIE LCh	53, 91.607, 327.925
Yxy	21.1182, 0.3203, 0.1682
Android (android.graphics.Color)	4292096980 (0xFFD433D4)
YUV	117.4930, 46.5920, 82.8826
Hunter-Lab	45.9545, 75.8007, -50.7184

Details

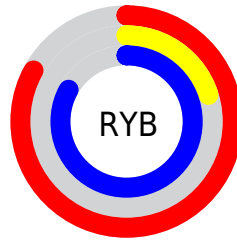
The XYZ color **40.2189, 21.1182, 64.2438** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **25.5073, 48.0308, 11.0596**, and the grayscale version is **16.9131, 17.7939, 19.3776**.

A 20% lighter version of the original color is **65.4207, 40.7415, 99.0236**, and **19.2227, 9.2066, 32.6622** is the 20% darker color. If you saturate the color by 10%, you get **39.4949, 19.6696, 64.0025**, and if you desaturate by 10%, it is **41.3664, 23.4125, 64.6265**.

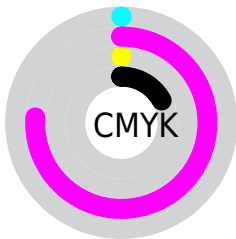
Distribution



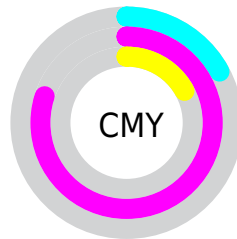
- Red (83%)
- Green (20%)
- Blue (83%)



- Red (83%)
- Yellow (20%)
- Blue (83%)



- Cyan (0%)
- Magenta (76%)
- Yellow (0%)
- Black (17%)



- Cyan (17%)
- Magenta (80%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2189, 21.1182, 64.2438 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 40.2189, 21.1182, 64.2438 by changing the saturation by 10% instead.

40.2189, 21.1182,
64.2438

40.2189, 21.1182,
64.2438

338.1640,
257.9060, 458.3011

27.8942, 13.2104,
46.4007

74.7790, 45.2842,
112.5648

18.3860, 7.5736,
32.2112

97.7450, 62.3112,
143.8798

11.3288, 3.8233,
21.2567

124.9890, 83.1467,
180.5226

6.3574, 1.5752,
13.1187

156.8761,
108.1751, 222.9116

3.1063, 0.3408,
7.3787

193.7719,
137.7809, 271.4654

1.2102, 0.0000,
3.6180

236.0415,

0.1144, 0.0000,

172.3483, 326.6026

1.4182

284.0504,
212.2619, 388.7416

■ 0.0000, 0.0000,
0.1559

■ 0.0000, 0.0000,
0.0000

■ 40.2189, 21.1182,
64.2438

■ 40.2189, 21.1182,
64.2438

■ 39.4949, 19.6696,
64.0025

■ 41.3664, 23.4125,
64.6265

■ 39.1289, 18.9376,
63.8805

■ 42.9859, 26.6515,
65.1665

■ 39.0355, 18.7507,
63.8493

■ 45.1218, 30.9233,
65.8785

■ 47.8129, 36.3054,
66.7756

■ 51.0942, 42.8679,
67.8695

■ 54.9978, 50.6751,
69.1708

■ 59.5535, 59.7865,
70.6894

■ 64.7892, 70.2580,
72.4348

■ 70.7313, 82.1421,
74.4155

Harmonies

Analogous

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



30.0587, 21.1182, 108.9505



40.2189, 21.1182, 64.2438



44.8622, 21.1182, 24.9689

Triad

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



40.2189, 21.1182, 64.2438



20.7504, 21.1182, 0.0000



7.7496, 21.1182, 57.8677

Complementary

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



40.2189, 21.1182, 64.2438



25.5073, 48.0308, 11.0596

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.



6.6670, 21.1182, 21.1264



40.2189, 21.1182, 64.2438



12.5860, 21.1182, 0.7393

Square

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



40.2189, 21.1182, 64.2438



31.6050, 21.1182, 0.9712



8.1107, 21.1182, 4.7601



11.7540, 21.1182, 103.6213

Rectangle

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



40.2189, 21.1182, 64.2438



43.3627, 21.1182, 10.2248



8.1107, 21.1182, 4.7601



7.1016, 21.1182, 43.4951

Sweetspot

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



40.2197, 21.1192, 64.2442



79.1089, 68.1179, 103.5860



14.4337, 7.8260, 63.0382



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.



40.2197, 21.1192, 64.2442



59.5952, 29.0907, 97.0805



32.4671, 18.0181, 23.4193



12.9531, 12.6327, 15.6932



24.0982, 11.5756, 39.4168



1.4535, 0.6982, 2.3774

Inverse Universe

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



40.2197, 21.1192, 64.2442



59.5952, 29.0907, 97.0805



29.0406, 49.4442, 29.6657



12.9531, 12.6327, 15.6932



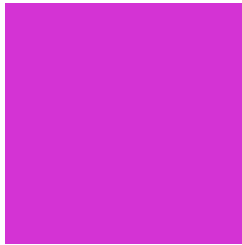
24.0982, 11.5756, 39.4168



1.4535, 0.6982, 2.3774

Previews

White Background



This preview shows how the XYZ color 40.2189, 21.1182, 64.2438 looks on a white background.

Color Contrast Check

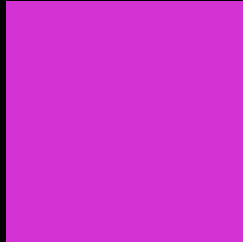
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.2189, 21.1182, 64.2438 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

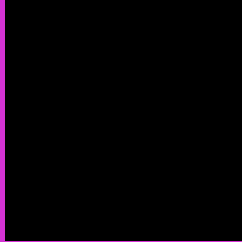
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.2189, 21.1182, 64.2438

Background



This preview shows how black text looks on a background with the XYZ color 40.2189, 21.1182, 64.2438.

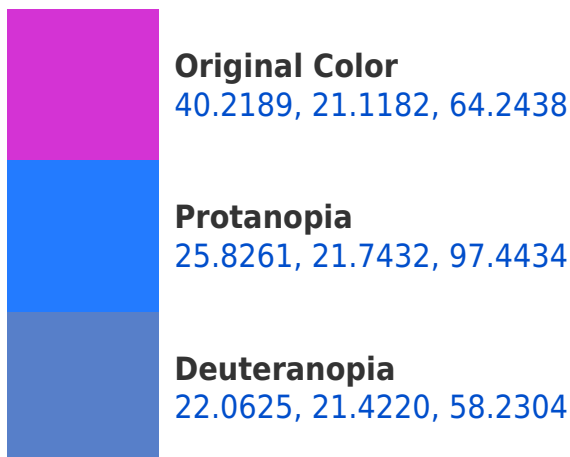


This preview shows how white text looks on a background with the XYZ color 40.2189, 21.1182,

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

29.7678, 20.8909, 14.5200

Trichromacy



Original Color

40.2189, 21.1182, 64.2438



Protanomaly

25.0003, 17.4340, 83.7088



Deuteranomaly

24.9970, 18.2370, 59.9602



Tritanomaly

32.4339, 20.2092, 27.3906

Monochromacy



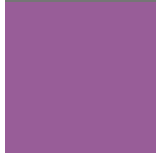
Original Color

40.2189, 21.1182, 64.2438



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

22.5307, 16.7711, 31.7554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2189, 21.1182, 64.2438 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(212, 51, 212)` looks like.

```
.text, #text, p{  
    color:rgb(212, 51, 212)  
}
```

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(212, 51, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 51, 212) }
```

Border

The CSS property to change the border of an element to XYZ 40.2189, 21.1182, 64.2438 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(212, 51, 212) }
```


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

```
.border{ border-color:rgb(212, 51, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 51, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 51, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 51, 212);  
box-shadow:4px 4px 4px 4px rgb(212, 51,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2189, 21.1182, 64.2438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 51, 212) }
```

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

```
.background{ background-color: rgb(212, 51,  
212) }
```

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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