

Converting Colors

XYZ(36.1512, 21.9760, 40.8715)

Have a look what the booklet for
XYZ(36.1512, 21.9760, 40.8715)
contains.

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Color

**XYZ(36.1591, 21.9421,
40.8575)**

Conversions

Conversions Part 1

Format	Color
Hex	D04FAB
RGB	208, 79, 171
RGB Percent	82%, 31%, 67%
CMY	0.1843, 0.6902, 0.3294
CMYK	0.00, 0.62, 0.18, 0.18
HSL	317°, 58%, 56%
HSV	317°, 62%, 82%
XYZ	36.1591, 21.9421, 40.8575
YIQ	128.0590, 47.3520, 55.9600

Conversions

Conversions Part 2

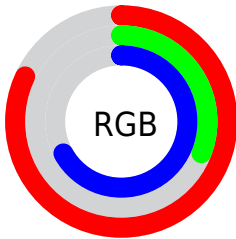
Format	Color
R _Y B	208, 79, 171
Decimal	13651883
CIE Lab	53.97, 60.72, -23.63
CIE LCh	54, 65.155, 338.739
Yxy	21.9421, 0.3654, 0.2217
Android (android.graphics.Color)	4291841963 (0xFFD04FAB)
YUV	128.0590, 21.1699, 70.1083
Hunter-Lab	46.8424, 55.8155, -18.9250

Details

The XYZ color **36.1591, 21.9421, 40.8575** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **28.9338, 48.0358, 24.2719**, and the grayscale version is **20.4566, 21.5219, 23.4374**.

A 20% lighter version of the original color is **63.7691, 44.1340, 77.8308**, and **15.9943, 7.9896, 18.1519** is the 20% darker color. If you saturate the color by 10%, you get **34.3308, 19.1748, 37.5053**, and if you desaturate by 10%, it is **38.4838, 25.6603, 44.5022**.

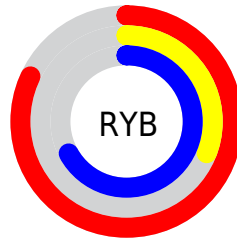
Distribution



Red (82%)

Green (31%)

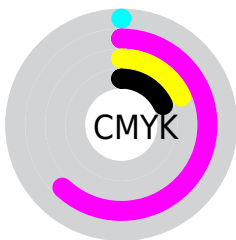
Blue (67%)



Red (82%)

Yellow (31%)

Blue (67%)

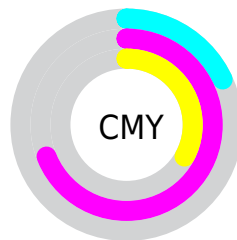


Cyan (0%)

Magenta (62%)

Yellow (18%)

Black (18%)



Cyan (18%)


Magenta (69%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1591, 21.9421, 40.8575 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 36.1591, 21.9421, 40.8575 by changing the saturation by 10% instead.

 36.1591, 21.9421,
40.8575


 36.1591, 21.9421,
40.8575


321.0745,
262.2438, 365.3837

 24.7278, 13.8144,
27.8889

 68.5998, 46.6503,
77.7188


 16.0020, 7.9917,
18.0036


 90.3399, 63.9995,
102.4487


 9.6164, 4.0896,
10.7831


 116.2470, 85.1914,
131.9360

 5.2057, 1.7238,
5.8089

 146.6864,
110.6102, 166.5993

 2.4044, 0.4390,
2.6623

 182.0236,
140.6405, 206.8572

 0.8473, 0.0000,
0.9244

222.6237,

 0.0000, 0.0000,

175.6666, 253.1282

0.0000

268.8522,
216.0729, 305.8308

■ 36.1591, 21.9421,
40.8575

■ 36.1591, 21.9421,
40.8575

■ 34.3308, 19.1748,
37.5053

■ 38.4838, 25.6603,
44.5022

■ 32.9508, 17.2641,
34.4274

■ 41.3425, 30.4054,
48.4530

■ 31.9652, 16.1021,
31.6043

■ 44.7719, 36.2496,
52.7239

■ 31.3848, 15.5589,
29.5067

■ 48.8045, 43.2576,
57.3272

■ 53.4703, 51.4889,
62.2747

■ 58.7974, 60.9991,
67.5770

■ 64.8120, 71.8402,
73.2445

■ 71.5390, 84.0616,
79.2868

■ 75.3219, 90.3497,
84.4866

Harmonies

Analogous

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



30.5092, 21.9421, 68.5944



36.1591, 21.9421, 40.8575



37.2716, 21.9421, 18.4788

Triad

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



36.1591, 21.9421, 40.8575



18.8682, 21.9421, 2.4200



11.9888, 21.9421, 57.2269

Complementary

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



36.1591, 21.9421, 40.8575



28.9338, 48.0358, 24.2719

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.



10.1449, 21.9421, 30.2690



36.1591, 21.9421, 40.8575



13.4886, 21.9421, 4.6304

Square

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



36.1591, 21.9421, 40.8575



26.1508, 21.9421, 2.9266



10.6242, 21.9421, 12.4235



16.3278, 21.9421, 81.1755

Rectangle

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



36.1591, 21.9421, 40.8575



35.0944, 21.9421, 9.6930



10.6242, 21.9421, 12.4235



11.1066, 21.9421, 47.7575

Sweetspot

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



36.1598, 21.9432, 40.8579



79.3365, 72.0249, 93.0203



21.3251, 13.8295, 61.2204



16.5462, 14.6527, 19.4368



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.



36.1598, 21.9432, 40.8579



53.7336, 29.4027, 58.0238



31.4606, 20.0635, 16.1120



12.1602, 11.9488, 14.1194



19.6041, 9.7145, 18.6192



1.1295, 0.5565, 1.2166

Inverse Universe

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



36.1598, 21.9432, 40.8579



53.7336, 29.4027, 58.0238



34.0246, 50.0721, 51.0794



12.1602, 11.9488, 14.1194



19.6041, 9.7145, 18.6192



1.1295, 0.5565, 1.2166

Previews

White Background



This preview shows how the XYZ color 36.1591, 21.9421, 40.8575 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 36.1591, 21.9421, 40.8575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

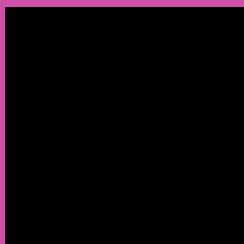
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.1591, 21.9421, 40.8575

Background



This preview shows how black text looks on a background with the XYZ color 36.1591, 21.9421, 40.8575.



This preview shows how white text looks on a background with the XYZ color 36.1591, 21.9421,

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

36.1591, 21.9421, 40.8575

Protanopia

24.1350, 22.3789, 63.3691

Deuteranopia

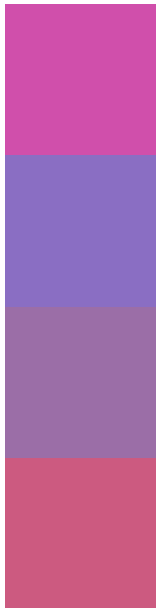
22.6024, 22.1442, 38.2049



Tritanopia

30.7184, 21.7625, 15.4135

Trichromacy



Original Color

36.1591, 21.9421, 40.8575

Protanomaly

25.9075, 20.4953, 54.2203

Deuteranomaly

26.0686, 20.9104, 39.2214

Tritanomaly

32.4543, 21.7082, 22.9016

Monochromacy



Original Color

36.1591, 21.9421, 40.8575

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

24.5146, 20.3336, 29.0183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1591, 21.9421, 40.8575 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(208, 79, 171)` looks like.

```
.text, #text, p{  
    color:rgb(208, 79, 171)  
}
```

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(208, 79, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 79, 171) }
```

Border

The CSS property to change the border of an element to XYZ 36.1591, 21.9421, 40.8575 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(208, 79, 171) }
```


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

```
.border{ border-color:rgb(208, 79, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 79, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 79, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 79, 171);  
box-shadow:4px 4px 4px 4px rgb(208, 79,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1591, 21.9421, 40.8575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 79, 171) }
```

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

```
.background{ background-color: rgb(208, 79,  
171) }
```

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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