

Converting Colors

XYZ(36.2406, 21.1292, 44.8654)

Have a look what the booklet for
XYZ(36.2406, 21.1292, 44.8654)
contains.

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Color

**XYZ(36.1220, 21.0265,
44.8025)**

Conversions

Conversions Part 1

Format	Color
Hex	CF47B3
RGB	207, 71, 179
RGB Percent	81%, 28%, 70%
CMY	0.1882, 0.7215, 0.2980
CMYK	0.00, 0.66, 0.14, 0.19
HSL	312°, 59%, 55%
HSV	312°, 66%, 81%
XYZ	36.1220, 21.0265, 44.8025
YIQ	123.9760, 46.3880, 62.4200

Conversions

Conversions Part 2

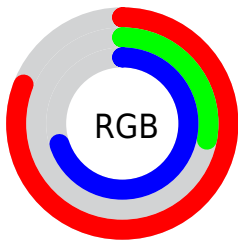
Format	Color
RYB	207, 71, 179
Decimal	13584307
CIELab	52.98, 64.85, -29.83
CIElCh	53, 71.382, 335.300
Yxy	21.0265, 0.3543, 0.2062
Android (android.graphics.Color)	4291774387 (0xFFCF47B3)
YUV	123.9760, 27.1268, 72.8120
Hunter-Lab	45.8547, 60.3677, -25.8313

Details

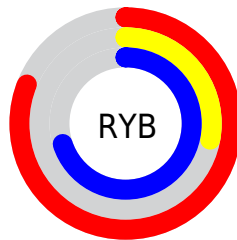
The XYZ color **36.1220, 21.0265, 44.8025** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **27.1645, 46.8668, 19.4206**, and the grayscale version is **19.0529, 20.0451, 21.8292**.

A 20% lighter version of the original color is **63.9546, 42.6965, 83.4677**, and **16.1603, 7.8959, 20.4110** is the 20% darker color. If you saturate the color by 10%, you get **34.5983, 18.6579, 42.2007**, and if you desaturate by 10%, it is **38.1087, 24.2989, 47.6247**.

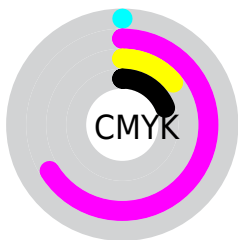
Distribution



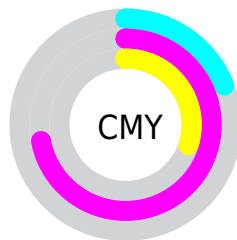
- Red (81%)
- Green (28%)
- Blue (70%)



- Red (81%)
- Yellow (28%)
- Blue (70%)



- Cyan (0%)
- Magenta (66%)
- Yellow (14%)
- Black (19%)





- Cyan (19%)
- Magenta (72%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1220, 21.0265, 44.8025 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 36.1220, 21.0265, 44.8025 by changing the saturation by 10% instead.


 36.1220, 21.0265,
44.8025


 36.1220, 21.0265,
44.8025


320.9154,
257.4193, 382.1099


 24.6990, 13.1434,
30.9601


 68.5430, 45.1316,
83.7393


 15.9805, 7.5273,
20.3102


 90.2716, 62.1224,
109.6707


 9.6011, 3.7940,
12.4344


 116.1662, 82.9179,
140.4689

 5.1955, 1.5590,
6.9142

 146.5921,
107.9025, 176.5523

 2.3984, 0.3297,
3.3308

 181.9146,
137.4605, 218.3396

 0.8443, 0.0000,
1.2659

222.4990,

 0.0000, 0.0000,

171.9764, 266.2493

0.0336

268.7109,
211.8345, 320.6998

■ 0.0000, 0.0000,
0.0000

■ 36.1220, 21.0265,
44.8025

■ 36.1220, 21.0265,
44.8025

■ 34.5983, 18.6579,
42.2007

■ 38.1087, 24.2989,
47.6247

■ 33.4876, 17.0946,
39.8015

■ 40.5974, 28.5542,
50.6804

■ 32.7316, 16.2199,
37.5852

■ 43.6253, 33.8662,
53.9827

■ 32.4676, 15.9596,
36.6717

■ 47.2254, 40.3008,
57.5433

■ 51.4282, 47.9186,
61.3727

■ 56.2618, 56.7758,
65.4809

■ 61.7526, 66.9250,
69.8773

■ 67.9254, 78.4157,
74.5707

■ 74.0634, 89.8139,
79.3226

Harmonies

Analogous

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



29.5101, 21.0265, 75.7109



36.1220, 21.0265, 44.8025



38.0171, 21.0265, 19.2939

Triad

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



36.1220, 21.0265, 44.8025



18.6848, 21.0265, 1.4913



10.3889, 21.0265, 55.9327

Complementary

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



36.1220, 21.0265, 44.8025



27.1645, 46.8668, 19.4206

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.



8.8057, 21.0265, 26.9168



36.1220, 21.0265, 44.8025



12.7679, 21.0265, 3.0396

Square

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



36.1220, 21.0265, 44.8025



26.6237, 21.0265, 2.1524



9.5528, 21.0265, 9.6272



14.5534, 21.0265, 84.4808

Rectangle

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



36.1220, 21.0265, 44.8025



36.0277, 21.0265, 9.4096



9.5528, 21.0265, 9.6272



9.5918, 21.0265, 45.4165

Sweetspot

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



36.1227, 21.0275, 44.8029



79.2380, 71.0078, 95.5157



18.5754, 11.6205, 60.2959



16.5560, 14.4668, 20.0732



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.



36.1227, 21.0275, 44.8029



54.6150, 28.6873, 65.9580



30.8998, 18.9383, 17.2992



12.2022, 11.9656, 14.3404



20.4910, 10.0692, 23.2894



1.1727, 0.5738, 1.4441

Inverse Universe

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



36.1227, 21.0275, 44.8029



54.6150, 28.6873, 65.9580



31.8135, 48.7264, 43.9023



12.2022, 11.9656, 14.3404



20.4910, 10.0692, 23.2894



1.1727, 0.5738, 1.4441

Previews

White Background



This preview shows how the XYZ color 36.1220, 21.0265, 44.8025 looks on a white background.

Color Contrast Check

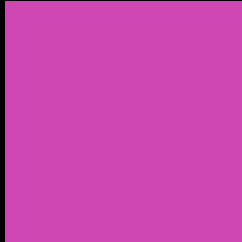
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.1220, 21.0265, 44.8025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

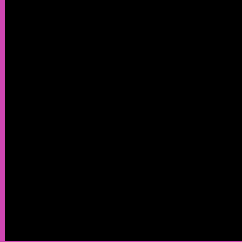
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.1220, 21.0265, 44.8025

Background



This preview shows how black text looks on a background with the XYZ color 36.1220, 21.0265, 44.8025.



This preview shows how white text looks on a background with the XYZ color 36.1220, 21.0265,

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

36.1220, 21.0265, 44.8025

Protanopia

24.0066, 21.5369, 72.7038

Deuteranopia

21.7545, 21.2523, 41.4836



Tritanopia

29.7678, 20.8909, 14.5200

Trichromacy



Original Color

36.1220, 21.0265, 44.8025



Protanomaly

25.0665, 19.1202, 61.4009



Deuteranomaly

24.9043, 19.4550, 42.4870



Tritanomaly

31.5681, 20.6385, 23.0887

Monochromacy



Original Color

36.1220, 21.0265, 44.8025



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

23.4120, 18.9868, 28.8164

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1220, 21.0265, 44.8025 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(207, 71, 179)` looks like.

```
.text, #text, p{  
    color:rgb(207, 71, 179)  
}
```

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(207, 71, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 71, 179) }
```

Border

The CSS property to change the border of an element to XYZ 36.1220, 21.0265, 44.8025 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(207, 71, 179) }
```


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

```
.border{ border-color:rgb(207, 71, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 71, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 71, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 71, 179);  
box-shadow:4px 4px 4px 4px rgb(207, 71,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1220, 21.0265, 44.8025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 71, 179) }
```

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

```
.background{ background-color: rgb(207, 71,  
179) }
```

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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