

Converting Colors

XYZ(37.0033, 20.0576, 44.2140)

Have a look what the booklet for
XYZ(37.0033, 20.0576, 44.2140)
contains.

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Color

**XYZ(37.0405, 20.0567,
44.0386)**

Conversions

Conversions Part 1

Format	Color
Hex	D635B2
RGB	214, 53, 178
RGB Percent	84%, 21%, 70%
CMY	0.1608, 0.7921, 0.3020
CMYK	0.00, 0.75, 0.17, 0.16
HSL	313°, 66%, 52%
HSV	313°, 75%, 84%
XYZ	37.0405, 20.0567, 44.0386
YIQ	115.3890, 55.8310, 73.0070

Conversions

Conversions Part 2

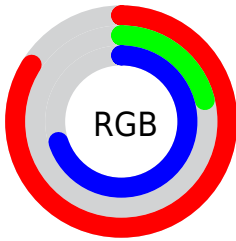
Format	Color
RYB	214, 53, 178
Decimal	14038450
CIELab	51.90, 72.54, -30.84
CIELCh	52, 78.820, 336.970
Yxy	20.0567, 0.3662, 0.1983
Android (android.graphics.Color)	4292228530 (0xFFD635B2)
YUV	115.3890, 30.8672, 86.4818
Hunter-Lab	44.7847, 69.2604, -26.9529

Details

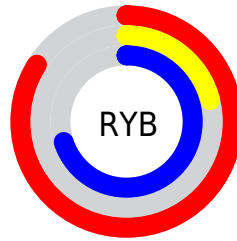
The XYZ color **37.0405, 20.0567, 44.0386** is a light color, and the websafe version is hex **CC0099**. The color can be described as light muted rose. A complement of this color would be **27.3190, 49.5720, 17.5819**, and the grayscale version is **16.3125, 17.1620, 18.6894**.

A 20% lighter version of the original color is **62.2220, 39.4620, 82.1794**, and **17.2192, 8.4492, 20.1253** is the 20% darker color. If you saturate the color by 10%, you get **35.8014, 18.3338, 41.2962**, and if you desaturate by 10%, it is **38.7329, 22.6587, 47.0151**.

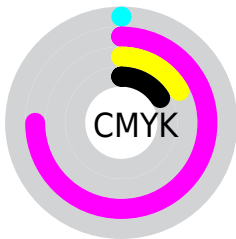
Distribution



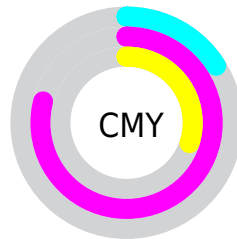
- Red (84%)
- Green (21%)
- Blue (70%)



- Red (84%)
- Yellow (21%)
- Blue (70%)



- Cyan (0%)
- Magenta (75%)
- Yellow (17%)
- Black (16%)





- Cyan (16%)
- Magenta (79%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0405, 20.0567, 44.0386 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 37.0405, 20.0567, 44.0386 by changing the saturation by 10% instead.


 37.0405, 20.0567,
44.0386


 37.0405, 20.0567,
44.0386


324.8383,
252.2219, 378.9117


 25.4127, 12.4363,
30.3634


 69.9485, 43.5122,
82.5789


 16.5151, 7.0415,
19.8602


 91.9594, 60.1161,
108.2812


 9.9826, 3.4881,
12.1104


 118.1620, 80.4833,
138.8295

 5.4496, 1.3915,
6.6955

 148.9217,
104.9981, 174.6425

 2.5508, 0.2105,
3.1968

 184.6038,
134.0450, 216.1387

 0.9210, 0.0000,
1.1960

225.5737,

 0.0000, 0.0000,

168.0083, 263.7366

0.0000

272.1968,
207.2725, 317.8548

■ 37.0405, 20.0567,
44.0386

■ 37.0405, 20.0567,
44.0386

■ 35.8014, 18.3338,
41.2962

■ 38.7329, 22.6587,
47.0151

■ 34.9505, 17.3610,
38.7649

■ 40.9282, 26.2397,
50.2426

■ 34.6281, 17.0548,
37.6137

■ 43.6715, 30.8894,
53.7371

■ 47.0023, 36.6865,
57.5126

■ 50.9564, 43.7022,
61.5817

■ 55.5665, 52.0021,
65.9563

■ 60.8633, 61.6468,
70.6472

■ 66.8753, 72.6933,
75.6646

■ 73.6294, 85.1952,
81.0184

Harmonies

Analogous

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



29.9068, 20.0567, 79.4345



37.0405, 20.0567, 44.0386



38.8019, 20.0567, 16.9112

Triad

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



37.0405, 20.0567, 44.0386



17.2548, 20.0567, 0.7863



9.2159, 20.0567, 60.5556

Complementary

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



37.0405, 20.0567, 44.0386



27.3190, 49.5720, 17.5819

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.



7.4980, 20.0567, 27.6400



37.0405, 20.0567, 44.0386



11.2200, 20.0567, 2.1548

Square

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



37.0405, 20.0567, 44.0386



25.7457, 20.0567, 1.2021



8.1119, 20.0567, 8.7283



13.6505, 20.0567, 92.7785

Rectangle

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



37.0405, 20.0567, 44.0386



36.3481, 20.0567, 7.3204



8.1119, 20.0567, 8.7283



8.3677, 20.0567, 48.5725

Sweetspot

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



37.0412, 20.0577, 44.0390



77.0687, 67.3018, 92.8424



17.4254, 9.4716, 64.5284



15.9978, 13.5146, 19.3814



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.



37.0412, 20.0577, 44.0390



52.4592, 26.3211, 59.2414



31.2394, 17.7370, 13.4874



12.8286, 12.5830, 15.0379



20.9711, 10.3248, 22.9496



1.2948, 0.6347, 1.5418

Inverse Universe

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



37.0412, 20.0577, 44.0390



52.4592, 26.3211, 59.2414



32.6194, 51.6921, 45.4932



12.8286, 12.5830, 15.0379



20.9711, 10.3248, 22.9496



1.2948, 0.6347, 1.5418

Previews

White Background



This preview shows how the XYZ color 37.0405, 20.0567, 44.0386 looks on a white background.

Color Contrast Check

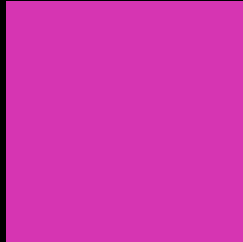
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.0405, 20.0567, 44.0386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

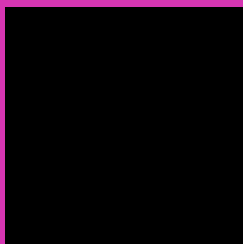
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.0405, 20.0567, 44.0386

Background



This preview shows how black text looks on a background with the XYZ color 37.0405, 20.0567, 44.0386.



This preview shows how white text looks on a background with the XYZ color 37.0405, 20.0567,

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

37.0405, 20.0567, 44.0386

Protanopia

23.7386, 20.6720, 80.5808

Deuteranopia

20.8329, 20.4378, 39.8927



Tritanopia

30.3083, 20.0129, 11.4980

Trichromacy



Original Color

37.0405, 20.0567, 44.0386



Protanomaly

23.7917, 17.0723, 65.6597



Deuteranomaly

24.2085, 18.1035, 41.2481



Tritanomaly

32.0631, 19.5705, 20.1767

Monochromacy



Original Color

37.0405, 20.0567, 44.0386



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

21.1771, 16.0686, 26.0301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0405, 20.0567, 44.0386 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(214, 53, 178)` looks like.

```
.text, #text, p{  
    color:rgb(214, 53, 178)  
}
```

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(214, 53, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 53, 178) }
```

Border

The CSS property to change the border of an element to XYZ 37.0405, 20.0567, 44.0386 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(214, 53, 178) }
```


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

```
.border{ border-color:rgb(214, 53, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 53, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 53, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 53, 178);  
box-shadow:4px 4px 4px 4px rgb(214, 53,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0405, 20.0567, 44.0386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 53, 178) }
```

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

```
.background{ background-color: rgb(214, 53,  
178) }
```

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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