

Converting Colors

XYZ(37.2306, 23.5133, 41.6060)

Have a look what the booklet for
XYZ(37.2306, 23.5133, 41.6060)
contains.

XYZ(37.2306, 23.5133, 41.6060)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.2306, 23.5133,
41.6060)**

Conversions

Conversions Part 1

Format	Color
Hex	D158AC
RGB	209, 88, 172
RGB Percent	82%, 35%, 67%
CMY	0.1804, 0.6549, 0.3255
CMYK	0.00, 0.58, 0.18, 0.18
HSL	318°, 57%, 58%
HSV	318°, 58%, 82%
XYZ	37.2306, 23.5133, 41.6060
YIQ	133.7550, 45.1520, 51.7760

Conversions

Conversions Part 2

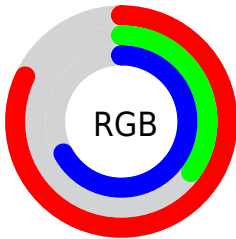
Format	Color
R _{YB}	209, 88, 172
Decimal	13719724
CIE _{Lab}	55.60, 57.23, -21.69
CIE _{LCh}	56, 61.203, 339.245
Yxy	23.5133, 0.3638, 0.2297
Android (android.graphics.Color)	4291909804 (0xFFD158AC)
YUV	133.7550, 18.8548, 65.9899
Hunter-Lab	48.4905, 52.1924, -16.9289

Details

The XYZ color **37.2306, 23.5133, 41.6060** 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 **30.5278, 49.1571, 27.2834**, and the grayscale version is **22.4925, 23.6639, 25.7699**.

A 20% lighter version of the original color is **65.0661, 46.5064, 78.9461**, and **16.5679, 8.7659, 18.5881** is the 20% darker color. If you saturate the color by 10%, you get **35.1553, 20.3212, 37.9583**, and if you desaturate by 10%, it is **39.8286, 27.7028, 45.5740**.

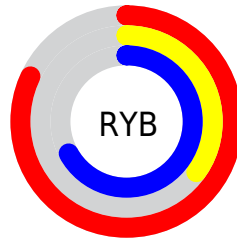
Distribution



Red (82%)

Green (35%)

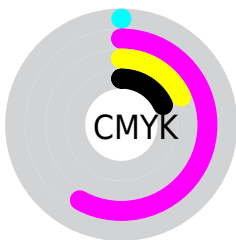
Blue (67%)



Red (82%)

Yellow (35%)

Blue (67%)

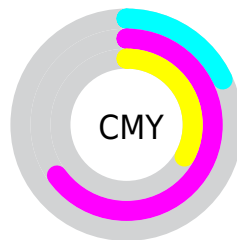


Cyan (0%)

Magenta (58%)

Yellow (18%)

Black (18%)



Cyan (18%)


Magenta (65%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2306, 23.5133, 41.6060 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 37.2306, 23.5133, 41.6060 by changing the saturation by 10% instead.


 37.2306, 23.5133,
41.6060


 37.2306, 23.5133,
41.6060


325.6460,
270.3506, 368.5984


 25.5606, 14.9730,
28.4696


 70.2388, 49.2348,
78.8666


 16.6261, 8.8004,
18.4379


 92.3078, 67.1848,
103.8279

 10.0620, 4.6112,
11.0921


 118.5737, 89.0401,
133.5680

 5.5026, 2.0210,
6.0139

 149.4020,
115.1851, 168.5054

 2.5828, 0.6196,
2.7846

185.1580,
146.0043, 209.0586

 0.9372, 0.0000,
0.9857

226.2072,

 0.0000, 0.0000,

181.8820, 255.6461

0.0000

272.9147,
223.2026, 308.6865

■ 37.2306, 23.5133,
41.6060

■ 37.2306, 23.5133,
41.6060

■ 35.1553, 20.3212,
37.9583

■ 39.8286, 27.7028,
45.5740

■ 33.5567, 18.0363,
34.6129

■ 42.9856, 32.9628,
49.8758

■ 32.3843, 16.5580,
31.5513

■ 46.7372, 39.3635,
54.5254

■ 31.5648, 15.7400,
28.7466

■ 51.1154, 46.9681,
59.5354

■ 31.4123, 15.6025,
28.1797

■ 56.1496, 55.8351,
64.9174

■ 61.8676, 66.0192,
70.6825

■ 68.2953, 77.5720,
76.8412

■ 75.3915, 90.4101,
83.3816

■ 76.2705, 90.7617,
88.0101

Harmonies

Analogous

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



31.8601, 23.5133, 67.8656



37.2306, 23.5133, 41.6060



38.2089, 23.5133, 19.9584

Triad

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



37.2306, 23.5133, 41.6060



20.2798, 23.5133, 3.4090



13.5519, 23.5133, 58.0395

Complementary

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



37.2306, 23.5133, 41.6060



30.5278, 49.1571, 27.2834

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.



11.6262, 23.5133, 32.2203



37.2306, 23.5133, 41.6060



14.9480, 23.5133, 5.9853

Square

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



37.2306, 23.5133, 41.6060



27.3994, 23.5133, 3.9508



12.0784, 23.5133, 14.3397



17.9602, 23.5133, 80.2712

Rectangle

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



37.2306, 23.5133, 41.6060



36.0736, 23.5133, 11.1404



12.0784, 23.5133, 14.3397



12.6388, 23.5133, 49.0761

Sweetspot

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



37.2313, 23.5144, 41.6065



80.6846, 74.5676, 93.9431



23.3552, 15.8918, 62.1584



16.9505, 15.4021, 19.7542



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.



37.2313, 23.5144, 41.6065



54.6051, 31.0854, 58.5005



32.7210, 21.7103, 17.8551



12.1504, 11.9449, 14.0680



19.4135, 9.6382, 17.6156



1.1200, 0.5527, 1.1667

Inverse Universe

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



37.2313, 23.5144, 41.6065



54.6051, 31.0854, 58.5005



35.5617, 51.1706, 53.7919



12.1504, 11.9449, 14.0680



19.4135, 9.6382, 17.6156



1.1200, 0.5527, 1.1667

Previews

White Background



This preview shows how the XYZ color 37.2306, 23.5133, 41.6060 looks on a white background.

Color Contrast Check

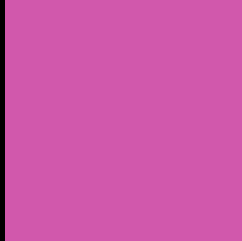
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.2306, 23.5133, 41.6060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

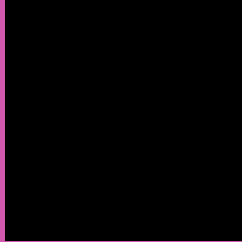
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.2306, 23.5133, 41.6060

Background



This preview shows how black text looks on a background with the XYZ color 37.2306, 23.5133, 41.6060.



This preview shows how white text looks on a background with the XYZ color 37.2306, 23.5133,

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

37.2306, 23.5133, 41.6060

Protanopia

25.1991, 23.7662, 61.0168

Deuteranopia

24.2679, 23.7745, 38.9072



Tritanopia

32.2933, 23.5228, 17.5902

Trichromacy



Original Color

37.2306, 23.5133, 41.6060



Protanomaly

27.2580, 22.0410, 53.2698



Deuteranomaly

27.4967, 22.4595, 39.9317



Tritanomaly

33.7782, 23.4080, 24.9282

Monochromacy



Original Color

37.2306, 23.5133, 41.6060



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

26.4045, 22.4378, 30.9562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2306, 23.5133, 41.6060 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(209, 88, 172)` looks like.

```
.text, #text, p{  
    color:rgb(209, 88, 172)  
}
```

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(209, 88, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 88, 172) }
```

Border

The CSS property to change the border of an element to XYZ 37.2306, 23.5133, 41.6060 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(209, 88, 172) }
```


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

```
.border{ border-color:rgb(209, 88, 172) }
```

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

Here you see how a box with a 4 pixel rgb(209, 88, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 88, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 88, 172);  
box-shadow:4px 4px 4px 4px rgb(209, 88,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2306, 23.5133, 41.6060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 88, 172) }
```

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

```
.background{ background-color: rgb(209, 88,  
172) }
```

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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