

Converting Colors

XYZ(36.4620, 24.7941, 34.0842)

Have a look what the booklet for
XYZ(36.4620, 24.7941, 34.0842)
contains.

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Color

**XYZ(36.3907, 24.7001,
33.8599)**

Conversions

Conversions Part 1

Format	Color
Hex	D0639B
RGB	208, 99, 155
RGB Percent	82%, 39%, 61%
CMY	0.1843, 0.6117, 0.3922
CMYK	0.00, 0.52, 0.25, 0.18
HSL	329°, 54%, 60%
HSV	329°, 52%, 82%
XYZ	36.3907, 24.7001, 33.8599
YIQ	137.9750, 46.9880, 40.5240

Conversions

Conversions Part 2

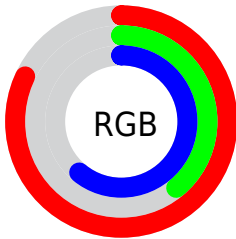
Format	Color
R _Y B	208, 99, 155
Decimal	13656987
CIE Lab	56.78, 49.35, -10.01
CIE LCh	57, 50.357, 348.530
Yxy	24.7001, 0.3833, 0.2601
Android (android.graphics.Color)	4291847067 (0xFFD0639B)
YUV	137.9750, 8.3933, 61.4119
Hunter-Lab	49.6992, 43.7275, -5.6046

Details

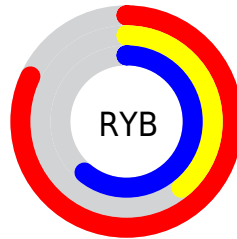
The XYZ color **36.3907, 24.7001, 33.8599** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **33.3702, 50.0322, 37.6066**, and the grayscale version is **24.1052, 25.3605, 27.6176**.

A 20% lighter version of the original color is **64.1399, 48.6459, 66.3307**, and **16.1996, 9.4556, 14.0680** is the 20% darker color. If you saturate the color by 10%, you get **33.8537, 20.9289, 28.9975**, and if you desaturate by 10%, it is **39.5077, 29.5170, 39.2672**.

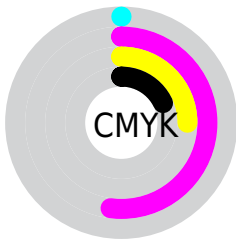
Distribution



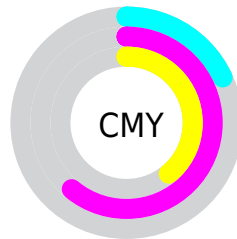
- Red (82%)
- Green (39%)
- Blue (61%)



- Red (82%)
- Yellow (39%)
- Blue (61%)



- Cyan (0%)
- Magenta (52%)
- Yellow (25%)
- Black (18%)





- Cyan (18%)
- Magenta (61%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3907, 24.7001, 33.8599 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 36.3907, 24.7001, 33.8599 by changing the saturation by 10% instead.


 36.3907, 24.7001,
33.8599


 36.3907, 24.7001,
33.8599


322.0665,
276.3411, 334.2570


 24.9076, 15.8538,
22.5095


 68.9546, 51.1703,
66.8471


 16.1366, 9.4207,
14.0299


 90.7661, 69.5629,
89.3211

 9.7123, 5.0166,
8.0025


 116.7512, 91.9064,
116.3399

 5.2694, 2.2570,
4.0087

 147.2751,
118.5852, 148.3222

 2.4426, 0.7508,
1.6301

182.7032,
149.9837, 185.6866

 0.8664, 0.0000,
0.3122

223.4009,

 0.0000, 0.0000,

186.4862, 228.8514

0.0000

269.7336,
228.4772, 278.2354

■ 36.3907, 24.7001,
33.8599

■ 36.3907, 24.7001,
33.8599

■ 33.8537, 20.9289,
28.9975

■ 39.5077, 29.5170,
39.2672

■ 31.8530, 18.1194,
24.6561

■ 43.2399, 35.4479,
45.2386

■ 30.3418, 16.1806,
20.8116

■ 47.6218, 42.5591,
51.7940

■ 29.2633, 15.0022,
17.4356

■ 52.6849, 50.9112,
58.9515

■ 28.6590, 14.4685,
15.1529

■ 58.4586, 60.5602,
66.7284

■ 64.9703, 71.5588,
75.1412

■ 72.2461, 83.9568,
84.2056

■ 76.9006, 90.9812,
92.8000

■ 78.4116, 91.5856,
100.7572

Harmonies

Analogous

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



33.0077, 24.7001, 54.5383



36.3907, 24.7001, 33.8599



35.9102, 24.7001, 17.8608

Triad

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



36.3907, 24.7001, 33.8599



20.0639, 24.7001, 6.3944



16.7577, 24.7001, 59.1815

Complementary

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



36.3907, 24.7001, 33.8599



33.3702, 50.0322, 37.6066

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.



14.3061, 24.7001, 38.5522



36.3907, 24.7001, 33.8599



15.9835, 24.7001, 10.6462

Square

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



36.3907, 24.7001, 33.8599



25.7973, 24.7001, 6.0064



14.0487, 24.7001, 20.9560



21.2996, 24.7001, 72.7408

Rectangle

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



36.3907, 24.7001, 33.8599



33.4777, 24.7001, 11.3469



14.0487, 24.7001, 20.9560



15.6968, 24.7001, 52.5253

Sweetspot

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



36.3914, 24.7013, 33.8604



80.3558, 75.4619, 89.0493



28.7379, 20.1240, 62.0446



16.8408, 15.5603, 18.5536



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.



36.3914, 24.7013, 33.8604



53.1980, 32.4974, 45.0021



32.8152, 23.2709, 15.0285



12.0586, 11.9082, 13.5845



17.9108, 9.0372, 9.7024



1.0415, 0.5213, 0.7533

Inverse Universe

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



36.3914, 24.7013, 33.8604



53.1980, 32.4974, 45.0021



38.8652, 52.2302, 66.5429



12.0586, 11.9082, 13.5845



17.9108, 9.0372, 9.7024



1.0415, 0.5213, 0.7533

Previews

White Background



This preview shows how the XYZ color 36.3907, 24.7001, 33.8599 looks on a white background.

Color Contrast Check

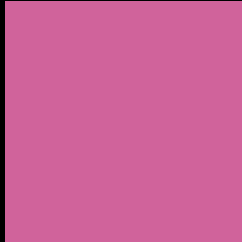
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.3907, 24.7001, 33.8599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

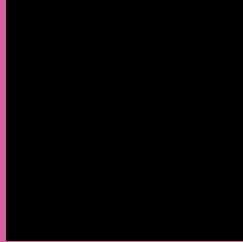
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.3907, 24.7001, 33.8599

Background



This preview shows how black text looks on a background with the XYZ color 36.3907, 24.7001, 33.8599.



This preview shows how white text looks on a background with the XYZ color 36.3907, 24.7001,

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

36.3907, 24.7001, 33.8599

Protanopia

25.3596, 24.9832, 46.6657

Deuteranopia

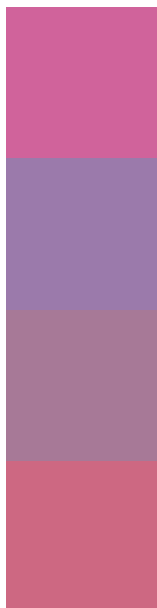
25.3139, 24.8743, 31.9008



Tritanopia

33.2540, 24.5906, 19.2134

Trichromacy



Original Color

36.3907, 24.7001, 33.8599

Protanomaly

27.8278, 23.8279, 41.6606

Deuteranomaly

28.3596, 24.1246, 32.4400

Tritanomaly

34.1564, 24.4915, 24.0462

Monochromacy



Original Color

36.3907, 24.7001, 33.8599

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

27.3460, 24.2155, 29.6183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3907, 24.7001, 33.8599 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, 99, 155)` looks like.

```
.text, #text, p{  
    color:rgb(208, 99, 155)  
}
```

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, 99, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 99, 155) }
```

Border

The CSS property to change the border of an element to XYZ 36.3907, 24.7001, 33.8599 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, 99, 155) }
```


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

```
.border{ border-color:rgb(208, 99, 155) }
```

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

Here you see how a box with a 4 pixel rgb(208, 99, 155) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 99, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 99, 155);  
box-shadow:4px 4px 4px 4px rgb(208, 99,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3907, 24.7001, 33.8599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 99, 155) }
```

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

```
.background{ background-color: rgb(208, 99,  
155) }
```

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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