

Converting Colors

XYZ(37.0554, 23.5535, 24.6389)

Have a look what the booklet for
XYZ(37.0554, 23.5535, 24.6389)
contains.

XYZ(37.0766, 23.5647, 24.7846)	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(37.0766, 23.5647,
24.7846)**

Conversions

Conversions Part 1

Format	Color
Hex	DC5685
RGB	220, 86, 133
RGB Percent	86%, 34%, 52%
CMY	0.1373, 0.6627, 0.4784
CMYK	0.00, 0.61, 0.40, 0.14
HSL	339°, 66%, 60%
HSV	339°, 61%, 86%
XYZ	37.0766, 23.5647, 24.7846
YIQ	131.4240, 64.7770, 43.0250

Conversions

Conversions Part 2

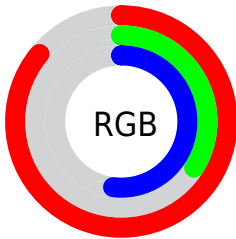
Format	Color
R_{YB}	220, 86, 133
Decimal	14440069
CIE _{Lab}	55.65, 56.50, 1.42
CIE _{LCh}	56, 56.519, 1.437
Yxy	23.5647, 0.4340, 0.2758
Android (android.graphics.Color)	4292630149 (0xFFDC5685)
YUV	131.4240, 0.7770, 77.6812
Hunter-Lab	48.5435, 51.3838, 3.7090

Details

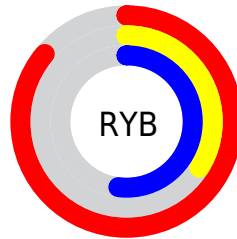
The XYZ color **37.0766, 23.5647, 24.7846** is a dark color, and the websafe version is hex **FF6699**. The color can be described as middle muted rose. A complement of this color would be **36.9752, 56.1825, 48.4344**, and the grayscale version is **21.7071, 22.8376, 24.8702**.

A 20% lighter version of the original color is **59.7759, 44.1512, 51.8259**, and **16.6248, 8.8704, 9.2234** is the 20% darker color. If you saturate the color by 10%, you get **34.6617, 20.2084, 19.4373**, and if you desaturate by 10%, it is **40.1674, 28.0580, 31.0198**.

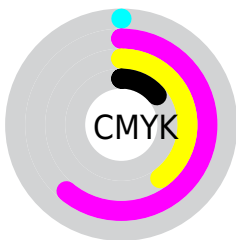
Distribution



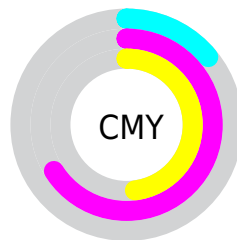
- Red (86%)
- Green (34%)
- Blue (52%)



- Red (86%)
- Yellow (34%)
- Blue (52%)



- Cyan (0%)
- Magenta (61%)
- Yellow (40%)
- Black (14%)




- Cyan (14%)
- Magenta (66%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0766, 23.5647, 24.7846 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 37.0766, 23.5647, 24.7846 by changing the saturation by 10% instead.

 37.0766, 23.5647,
24.7846


 37.0766, 23.5647,
24.7846


324.9918,
270.6123, 290.1768


 25.4408, 15.0110,
15.6991


 70.0036, 49.3189,
52.2673


 16.5362, 8.8271,
9.1594


 92.0256, 67.2882,
71.5017

 9.9976, 4.6286,
4.7471


 118.2402, 89.1649,
94.9560

 5.4596, 2.0310,
2.0435

 149.0129,
115.3333, 123.0489

 2.5569, 0.6254,
0.5818

184.7091,
146.1779, 156.1989

 0.9240, 0.0000,
0.0000

225.6941,

 0.0000, 0.0000,

182.0830, 194.8245

0.0000

272.3332,
223.4330, 239.3443

■ 37.0766, 23.5647,
24.7846

■ 37.0766, 23.5647,
24.7846

■ 34.6617, 20.2084,
19.4373

■ 40.1674, 28.0580,
31.0198

■ 32.8641, 17.8804,
14.9312

■ 43.9822, 33.7764,
38.1834

■ 31.6172, 16.4569,
11.2159

■ 48.5667, 40.8035,
46.3145

■ 30.8602, 15.7536,
8.4644

■ 53.9621, 49.2145,
55.4495

■ 60.2067, 59.0790,
65.6227

■ 67.3362, 70.4616,
76.8669

■ 75.3842, 83.4231,
89.2130

■ 82.1061, 93.4680,
101.9321

■ 83.3251, 93.9556,
108.3513

Harmonies

Analogous

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



35.0267, 23.5647, 46.4477



37.0766, 23.5647, 24.7846



34.6128, 23.5647, 11.3244

Triad

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



37.0766, 23.5647, 24.7846



16.5766, 23.5647, 5.8135



17.0177, 23.5647, 70.6831

Complementary

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



37.0766, 23.5647, 24.7846



36.9752, 56.1825, 48.4344

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.



13.4588, 23.5647, 48.7578



37.0766, 23.5647, 24.7846



13.2403, 23.5647, 12.2347

Square

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



37.0766, 23.5647, 24.7846



22.0905, 23.5647, 4.0994



12.2165, 23.5647, 26.5516



22.7074, 23.5647, 79.4213

Rectangle

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



37.0766, 23.5647, 24.7846



30.9707, 23.5647, 6.7973



12.2165, 23.5647, 26.5516



15.5733, 23.5647, 64.2213

Sweetspot

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



37.0772, 23.5660, 24.7850



77.6826, 72.3571, 81.2476



33.0128, 20.4674, 69.9206



16.1075, 14.6700, 16.5319



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.



37.0772, 23.5660, 24.7850



47.6714, 27.2228, 25.3456



36.1328, 25.7628, 11.8741



13.2437, 13.1266, 14.5444



18.1595, 9.2648, 5.2198



1.2165, 0.6162, 0.5489

Inverse Universe

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



37.0772, 23.5660, 24.7850



47.6714, 27.2228, 25.3456



37.9088, 49.4502, 75.2568



13.2437, 13.1266, 14.5444



18.1595, 9.2648, 5.2198



1.2165, 0.6162, 0.5489

Previews

White Background



This preview shows how the XYZ color 37.0766, 23.5647, 24.7846 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 37.0766, 23.5647, 24.7846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

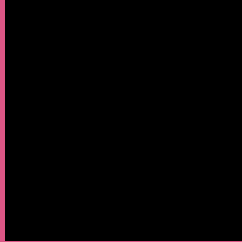
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.0766, 23.5647, 24.7846

Background



This preview shows how black text looks on a background with the XYZ color 37.0766, 23.5647, 24.7846.



This preview shows how white text looks on a background with the XYZ color 37.0766, 23.5647,

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

37.0766, 23.5647, 24.7846

Protanopia

23.7226, 23.9375, 37.0883

Deuteranopia

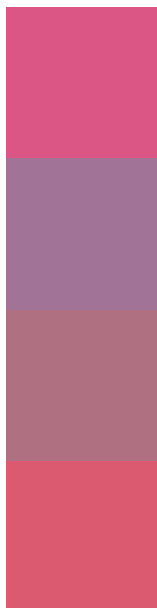
24.0106, 23.5964, 23.0277



Tritanopia

35.0799, 23.6350, 14.5175

Trichromacy



Original Color

37.0766, 23.5647, 24.7846

Protanomaly

26.5292, 22.3022, 32.1847

Deuteranomaly

27.5468, 22.5092, 23.6617

Tritanomaly

35.7388, 23.5201, 17.6951

Monochromacy



Original Color

37.0766, 23.5647, 24.7846

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

25.3998, 21.7139, 24.6823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0766, 23.5647, 24.7846 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(220, 86, 133)` looks like.

```
.text, #text, p{  
    color:rgb(220, 86, 133)  
}
```

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(220, 86, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 86, 133) }
```

Border

The CSS property to change the border of an element to XYZ 37.0766, 23.5647, 24.7846 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(220, 86, 133) }
```


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

```
.border{ border-color:rgb(220, 86, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 86, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 86, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 86, 133);  
box-shadow:4px 4px 4px 4px rgb(220, 86,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0766, 23.5647, 24.7846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 86, 133) }
```

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

```
.background{ background-color: rgb(220, 86,  
133) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor