

Converting Colors

XYZ(37.6083, 20.1057, 46.1545)

Have a look what the booklet for
XYZ(37.6083, 20.1057, 46.1545)
contains.

XYZ(37.6084, 20.1057, 46.1546)	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(37.6084, 20.1057,
46.1546)**

Conversions

Conversions Part 1

Format	Color
Hex	D732B6
RGB	215, 50, 182
RGB Percent	84%, 20%, 71%
CMY	0.1569, 0.8039, 0.2863
CMYK	0.00, 0.77, 0.15, 0.16
HSL	312°, 67%, 52%
HSV	312°, 77%, 84%
XYZ	37.6084, 20.1057, 46.1546
YIQ	114.3830, 55.9680, 76.0320

Conversions

Conversions Part 2

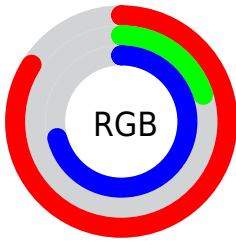
Format	Color
R _{YB}	215, 50, 182
Decimal	14103222
CIE _{Lab}	51.96, 74.16, -33.07
CIE _{LCh}	52, 81.197, 335.964
Yxy	20.1057, 0.3621, 0.1936
Android (android.graphics.Color)	4292293302 (0xFFD732B6)
YUV	114.3830, 33.3352, 88.2411
Hunter-Lab	44.8394, 71.2455, -29.6415

Details

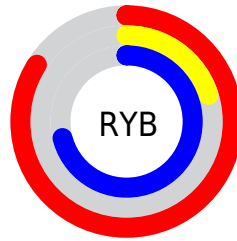
The XYZ color **37.6084, 20.1057, 46.1546** is a light color, and the websafe version is hex **CC0099**. The color can be described as light muted rose. A complement of this color would be **27.1783, 49.9042, 16.3859**, and the grayscale version is **16.0020, 16.8353, 18.3337**.

A 20% lighter version of the original color is **62.6899, 39.4677, 85.2028**, and **17.6727, 8.6529, 21.5076** is the 20% darker color. If you saturate the color by 10%, you get **36.4578, 18.5044, 43.6120**, and if you desaturate by 10%, it is **39.2053, 22.5769, 48.9136**.

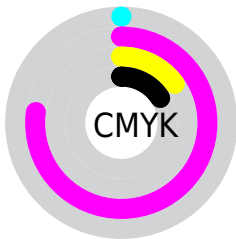
Distribution



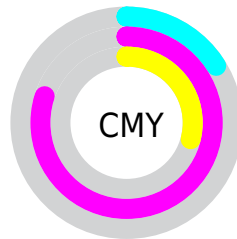
- Red (84%)
- Green (20%)
- Blue (71%)



- Red (84%)
- Yellow (20%)
- Blue (71%)



- Cyan (0%)
- Magenta (77%)
- Yellow (15%)
- Black (16%)





- Cyan (16%)
- Magenta (80%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6084, 20.1057, 46.1546 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 37.6084, 20.1057, 46.1546 by changing the saturation by 10% instead.

 37.6084, 20.1057,
46.1546


 37.6084, 20.1057,
46.1546

327.2471,
252.4868, 387.7255

 25.8547, 12.4719,
32.0183


 70.8153, 43.5943,
85.7870


 16.8471, 7.0659,
21.1105


 92.9992, 60.2179,
112.1203


 10.2202, 3.5034,
13.0128

 119.3906, 80.6070,
143.3562

 5.6086, 1.3998,
7.3065

 150.3549,
105.1458, 179.9134

 2.6469, 0.2166,
3.5732

 186.2573,
134.2187, 222.2103

 0.9699, 0.0000,
1.3942

227.4632,

 0.0000, 0.0000,

168.2103, 270.6657

0.1372

274.3380,
207.5049, 325.6979

■ 0.0000, 0.0000,
0.0000

■ 37.6084, 20.1057,
46.1546

■ 37.6084, 20.1057,
46.1546

■ 36.4578, 18.5044,
43.6120

■ 39.2053, 22.5769,
48.9136

■ 35.6822, 17.6320,
41.2610

■ 41.2999, 26.0218,
51.9063

■ 35.4706, 17.4256,
40.5225

■ 43.9388, 30.5331,
55.1489

■ 47.1624, 36.1915,
58.6556

■ 51.0075, 43.0702,
62.4390

■ 55.5077, 51.2362,
66.5110

■ 60.6940, 60.7516,
70.8825

■ 66.5956, 71.6745,
75.5637

■ 73.2399, 84.0595,
80.5643

Harmonies

Analogous

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



30.0447, 20.1057, 83.2555



37.6084, 20.1057, 46.1546



39.6740, 20.1057, 17.4949

Triad

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



37.6084, 20.1057, 46.1546



17.5057, 20.1057, 0.6168



8.9173, 20.1057, 60.9750

Complementary

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



37.6084, 20.1057, 46.1546



27.1783, 49.9042, 16.3859

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.



7.2612, 20.1057, 26.9696



37.6084, 20.1057, 46.1546



11.2138, 20.1057, 1.8533

Square

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



37.6084, 20.1057, 46.1546



26.3411, 20.1057, 1.0828



7.9603, 20.1057, 8.0941



13.3403, 20.1057, 95.3175

Rectangle

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



37.6084, 20.1057, 46.1546



37.2545, 20.1057, 7.3998



7.9603, 20.1057, 8.0941



8.0870, 20.1057, 48.4750

Sweetspot

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



37.6091, 20.1067, 46.1550



77.2773, 67.3853, 93.9411



16.9749, 9.0279, 65.1382



16.0489, 13.5350, 19.6506



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.



37.6091, 20.1067, 46.1550



52.8919, 26.3324, 62.0191



31.4420, 17.6399, 13.6797



12.8416, 12.5881, 15.1062



21.2542, 10.4380, 24.4404



1.3096, 0.6406, 1.6199

Inverse Universe

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



37.6091, 20.1067, 46.1550



52.8919, 26.3324, 62.0191



32.4540, 52.0145, 44.1674



12.8416, 12.5881, 15.1062



21.2542, 10.4380, 24.4404



1.3096, 0.6406, 1.6199

Previews

White Background



This preview shows how the XYZ color 37.6084, 20.1057, 46.1546 looks on a white background.

Color Contrast Check

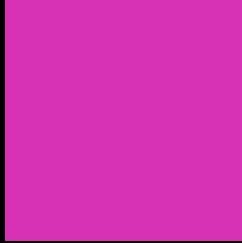
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.6084, 20.1057, 46.1546 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

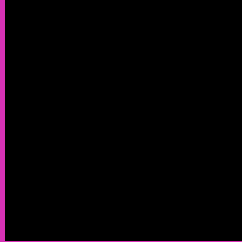
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.6084, 20.1057, 46.1546

Background



This preview shows how black text looks on a background with the XYZ color 37.6084, 20.1057, 46.1546.



This preview shows how white text looks on a background with the XYZ color 37.6084, 20.1057,

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

37.6084, 20.1057, 46.1546

Protanopia

24.1828, 20.7825, 85.9559

Deuteranopia

20.8360, 20.3957, 41.8683



Tritanopia

30.3083, 20.0129, 11.4980

Trichromacy



Original Color

37.6084, 20.1057, 46.1546



Protanomaly

23.6926, 16.7965, 69.7035



Deuteranomaly

24.2321, 17.7962, 43.2321



Tritanomaly

32.0606, 19.4669, 20.4801

Monochromacy



Original Color

37.6084, 20.1057, 46.1546



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

21.1638, 15.9256, 26.3846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6084, 20.1057, 46.1546 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(215, 50, 182)` looks like.

```
.text, #text, p{  
    color:rgb(215, 50, 182)  
}
```

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(215, 50, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 50, 182) }
```

Border

The CSS property to change the border of an element to XYZ 37.6084, 20.1057, 46.1546 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(215, 50, 182) }
```


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

```
.border{ border-color:rgb(215, 50, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 50, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 50, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 50, 182);  
box-shadow:4px 4px 4px 4px rgb(215, 50,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6084, 20.1057, 46.1546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 50, 182) }
```

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

```
.background{ background-color: rgb(215, 50,  
182) }
```

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