

# Converting Colors

XYZ(37.6954, 18.2817, 53.7665)

Have a look what the booklet for  
XYZ(37.6954, 18.2817, 53.7665)  
contains.

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# Color

**XYZ(37.6954, 18.2817,  
53.7665)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D600C4
RGB	214, 0, 196
RGB Percent	84%, 0%, 77%
CMY	0.1608, 0.9999, 0.2314
CMYK	0.00, 1.00, 0.08, 0.16
HSL	305°, 100%, 42%
HSV	305°, 100%, 84%
XYZ	37.6954, 18.2817, 53.7665
YIQ	86.3300, 64.6280, 106.3240

# Conversions

## Conversions Part 2

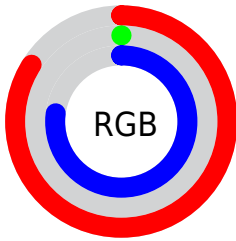
Format	Color
<b>RYB</b>	214, 0, 196
Decimal	14024900
CIELab	49.84, 83.58, -44.57
CIELCh	50, 94.721, 331.930
Yxy	18.2817, 0.3435, 0.1666
Android (android.graphics.Color)	4292214980 (0xFFD600C4)
YUV	86.3300, 54.0673, 111.9666
Hunter-Lab	42.7571, 82.5437, -44.6264

# Details

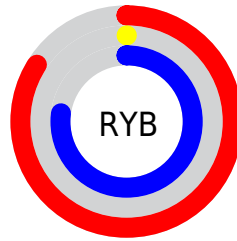
The XYZ color **37.6954, 18.2817, 53.7665** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **24.1568, 48.1377, 8.5921**, and the grayscale version is **8.7988, 9.2570, 10.0809**.

A 20% lighter version of the original color is **62.9723, 36.3573, 96.6271**, and **18.2089, 8.8230, 26.3345** is the 20% darker color. If you saturate the color by 10%, you get **37.6954, 18.2817, 53.7650**, and if you desaturate by 10%, it is **38.1782, 18.9168, 54.9447**.

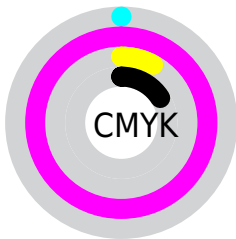
# Distribution



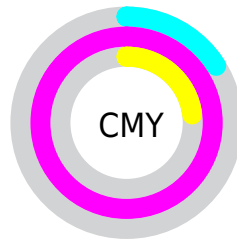
- Red (84%)
- Green (0%)
- Blue (77%)



- Red (84%)
- Yellow (0%)
- Blue (77%)



- Cyan (0%)
- Magenta (100%)
- Yellow (8%)
- Black (16%)




- Cyan (16%)
- Magenta (100%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6954, 18.2817, 53.7665 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 37.6954, 18.2817, 53.7665 by changing the saturation by 10% instead.




 37.6954, 18.2817,  
53.7665


 37.6954, 18.2817,  
53.7665


327.6150,  
242.4541, 418.3684

 25.9225, 11.1524,  
38.0231


 70.9479, 40.5168,  
97.1843

 16.8981, 6.1695,  
25.6987


 93.1583, 56.3913,  
125.6957


 10.2567, 2.9484,  
16.3746


 119.5785, 75.9498,  
159.3003

 5.6330, 1.1048,  
9.6324

 150.5739, 99.5765,  
198.4164

 2.6618, 0.0000,  
5.0535

 186.5100,  
127.6559, 243.4628

 0.9775, 0.0000,  
2.2194

 227.7519,

 0.0000, 0.0000,

160.5724, 294.8579

0.6855

274.6651,  
198.7103, 353.0202

■ 0.0000, 0.0000,  
0.0000

■ 37.6954, 18.2817,  
53.7665

■ 37.6954, 18.2817,  
53.7665

■ 37.6954, 18.2817,  
53.7650

■ 38.1782, 18.9168,  
54.9447

■ 38.9685, 20.1636,  
56.2376

■ 40.1685, 22.2256,  
57.6791

■ 41.8342, 25.2152,  
59.2882

■ 44.0130, 29.2269,  
61.0806

■ 46.7463, 34.3438,  
63.0702

■ 50.0715, 40.6403,  
65.2695

■ 54.0225, 48.1844,  
67.6898

■ 58.6308, 57.0391,  
70.3416

# Harmonies

## Analogous

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



28.2990, 18.2817, 99.2206



37.6954, 18.2817, 53.7665



41.2128, 18.2817, 18.2740

# Triad

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



37.6954, 18.2817, 53.7665



16.7967, 18.2817, 0.0000



6.3973, 18.2817, 59.6041

# Complementary

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



37.6954, 18.2817, 53.7665



24.1568, 48.1377, 8.5921

# 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.



5.1423, 18.2817, 21.6316



37.6954, 18.2817, 53.7665



9.7026, 18.2817, 0.3870

# Square

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



37.6954, 18.2817, 53.7665



26.9170, 18.2817, 0.1639



6.1009, 18.2817, 4.4594



10.4073, 18.2817, 104.1991



# Rectangle

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



37.6954, 18.2817, 53.7665



39.0308, 18.2817, 6.4922



6.1009, 18.2817, 4.4594



5.7173, 18.2817, 44.9196

# Sweetspot

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



37.6961, 18.2826, 53.7668



74.2910, 60.1125, 96.9538



12.3851, 4.9831, 63.9282



15.4295, 11.9711, 20.4466



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.



37.6961, 18.2826, 53.7668



56.0263, 27.1745, 79.7935



29.5433, 15.0215, 10.8348



12.9059, 12.6138, 15.4445



22.8031, 11.0576, 32.5970



1.3890, 0.6724, 2.0377



# Inverse Universe

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



37.6961, 18.2826, 53.7668



56.0263, 27.1745, 79.7935



27.7393, 49.5707, 27.4574



12.9059, 12.6138, 15.4445



22.8031, 11.0576, 32.5970



1.3890, 0.6724, 2.0377



# Previews

## White Background



This preview shows how the XYZ color 37.6954, 18.2817, 53.7665 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

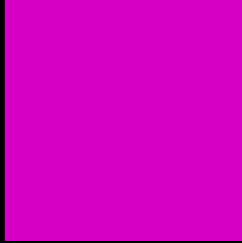
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.6954, 18.2817, 53.7665 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

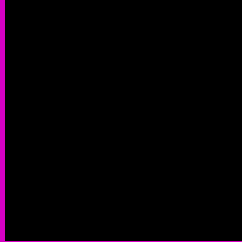
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 37.6954, 18.2817, 53.7665**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.6954, 18.2817, 53.7665.



This preview shows how white text looks on a background with the XYZ color 37.6954, 18.2817,



# 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

37.6954, 18.2817, 53.7665

### Protanopia

22.8799, 19.1446, 89.6782

### Deuteranopia

19.4880, 19.0175, 47.9910



## Tritanopia

28.8055, 18.6135, 10.0572

# Trichromacy



## Original Color

37.6954, 18.2817, 53.7665



## Protanomaly

19.5943, 12.1187, 74.7052



## Deuteranomaly

21.4931, 13.8681, 49.1209



## Tritanomaly

30.4056, 16.8921, 20.3968

# Monochromacy



## Original Color

37.6954, 18.2817, 53.7665



## Achromatopsia

8.8453, 9.3059, 10.1341



## Achromatomaly

14.8049, 9.2253, 20.7390

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.6954, 18.2817, 53.7665 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, 0, 196)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 196)  
}
```

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, 0, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 196) }
```

## Border

The CSS property to change the border of an element to XYZ 37.6954, 18.2817, 53.7665 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, 0, 196) }
```



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

```
.border{ border-color:rgb(214, 0, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 0, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 196);  
box-shadow:4px 4px 4px 4px rgb(214, 0,  
196) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.6954, 18.2817, 53.7665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 196) }
```

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

```
.background{ background-color: rgb(214, 0,  
196) }
```

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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