

# Converting Colors

XYZ(51.5881, 36.9454, 25.1420)

Have a look what the booklet for  
XYZ(51.5881, 36.9454, 25.1420)  
contains.

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# Color

**XYZ(51.8041, 37.1349,  
25.2062)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FD7D81
RGB	253, 125, 129
RGB Percent	99%, 49%, 51%
CMY	0.0078, 0.5098, 0.4941
CMYK	0.00, 0.51, 0.49, 0.01
HSL	358°, 97%, 74%
HSV	358°, 51%, 99%
XYZ	51.8041, 37.1349, 25.2062
YIQ	163.7280, 75.0040, 28.3800

# Conversions

## Conversions Part 2

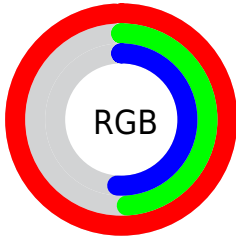
Format	Color
<a href="#">RYB</a>	<a href="#">253, 125, 129</a>
Decimal	<a href="#">16612737</a>
CIELab	<a href="#">67.38, 49.04, 20.95</a>
CIElCh	<a href="#">67, 53.325, 23.135</a>
Yxy	<a href="#">37.1349, 0.4538, 0.3253</a>
Android (android.graphics.Color)	<a href="#">4294802817</a> ( <a href="#">0xFFFD7D81</a> )
YUV	<a href="#">163.7280, -17.1209, 78.2915</a>
Hunter-Lab	<a href="#">60.9384, 45.1017, 18.1325</a>

# Details

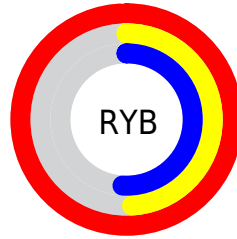
The XYZ color **51.8041, 37.1349, 25.2062** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **60.6838, 81.4509, 102.1514**, and the grayscale version is **35.2123, 37.0461, 40.3432**.

A 20% lighter version of the original color is **66.0048, 57.2799, 51.8333**, and **25.4394, 16.2921, 9.3933** is the 20% darker color. If you saturate the color by 10%, you get **47.5608, 30.9505, 16.6949**, and if you desaturate by 10%, it is **57.2556, 45.1106, 36.0485**.

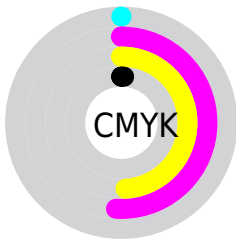
# Distribution



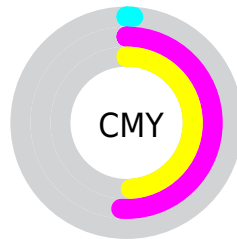
- Red (99%)
- Green (49%)
- Blue (51%)



- Red (99%)
- Yellow (49%)
- Blue (51%)



- Cyan (0%)
- Magenta (51%)
- Yellow (49%)
- Black (1%)




- Cyan (1%)
- Magenta (51%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.8041, 37.1349, 25.2062 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 51.8041, 37.1349, 25.2062 by changing the saturation by 10% instead.





 51.8041, 37.1349,  
25.2062


 51.8041, 37.1349,  
25.2062


384.0162,  
333.8942, 292.3438

 37.0726, 25.3120,  
16.0103


 92.0182, 70.7802,  
52.9598

 25.4376, 16.3096,  
9.3770

 118.2315, 93.3714,  
72.3546

 16.5339, 9.7435,  
4.8878


 149.0028,  
120.3207, 95.9862

 9.9960, 5.2292,  
2.1240

184.6974,  
152.0127, 124.2730

 5.4585, 2.3824,  
0.6300

225.6807,  
188.8316, 157.6336

 2.5562, 0.8168,  
0.0000

272.3180,

 0.9237, 0.0000,

231.1619, 196.4866

0.0000

324.9748,  
279.3880, 241.2505

■ 0.0000, 0.0000,  
0.0000

■ 51.8041, 37.1349,  
25.2062

■ 51.8041, 37.1349,  
25.2062

■ 47.5608, 30.9505,  
16.6949

■ 57.2556, 45.1106,  
36.0485

■ 44.4312, 26.4137,  
10.3420

■ 63.9946, 54.9950,  
49.3734

■ 42.3116, 23.3686,  
5.9541

■ 72.0970, 66.9025,  
65.3221

■ 41.0774, 21.6267,  
3.3028

■ 81.6320, 80.9369,  
84.0246

■ 40.5511, 20.8999,  
2.1234

■ 92.6641, 97.1947,  
105.6022

94.3179, 99.6226,  
108.8657

# Harmonies

## Analogous

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



53.3047, 37.1349, 46.0537



51.8041, 37.1349, 25.2062



45.5850, 37.1349, 14.0615

# Triad

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



51.8041, 37.1349, 25.2062



24.1590, 37.1349, 19.0012



33.4508, 37.1349, 103.5780

# Complementary

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



51.8041, 37.1349, 25.2062



60.6838, 81.4509, 102.1514

# 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.



26.6842, 37.1349, 88.1725



51.8041, 37.1349, 25.2062



21.8822, 37.1349, 35.2904

# Square

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



51.8041, 37.1349, 25.2062



29.4756, 37.1349, 11.5660



22.7297, 37.1349, 60.8141



41.8354, 37.1349, 97.5291



# Rectangle

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



51.8041, 37.1349, 25.2062



40.0526, 37.1349, 10.8505



22.7297, 37.1349, 60.8141



30.9310, 37.1349, 100.5882

# Sweetspot

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



51.8050, 37.1369, 25.2069



78.6359, 75.8159, 76.7801



64.0361, 41.8519, 97.6314



16.3964, 15.5876, 15.5809



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.



51.8050, 37.1369, 25.2069



48.2587, 31.2748, 16.6705



61.5042, 56.9516, 27.1559



18.0323, 17.9962, 18.7875



21.5815, 11.1219, 1.1806



2.1090, 1.0860, 0.1556



# Inverse Universe

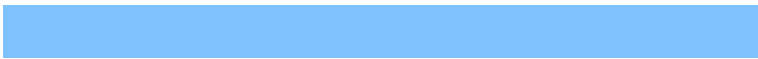
The Inverse Universe completely reimagines the original color for something new.



51.8050, 37.1369, 25.2069



48.2587, 31.2748, 16.6705



45.3180, 49.7119, 100.1351



18.0323, 17.9962, 18.7875



21.5815, 11.1219, 1.1806



2.1090, 1.0860, 0.1556



# Previews

## White Background



This preview shows how the XYZ color 51.8041, 37.1349, 25.2062 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

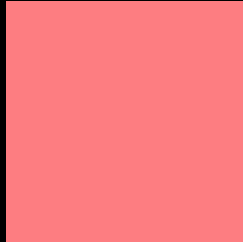
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.8041, 37.1349, 25.2062 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 ✓ Pass

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

**XYZ 51.8041, 37.1349, 25.2062**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.8041, 37.1349, 25.2062.



This preview shows how white text looks on a background with the XYZ color 51.8041, 37.1349,



# 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

51.8041, 37.1349, 25.2062

### Protanopia

35.4153, 37.3470, 33.3591

### Deuteranopia

38.0501, 37.3531, 23.9433



## Tritanopia

51.9493, 36.9914, 26.5923

# Trichromacy



## Original Color

51.8041, 37.1349, 25.2062

## Protanomaly

39.8015, 36.1533, 30.0798

## Deuteranomaly

42.0049, 36.4855, 24.2305

## Tritanomaly

51.8805, 36.9639, 26.2301

# Monochromacy



## Original Color

51.8041, 37.1349, 25.2062

## Achromatopsia

35.2861, 37.1238, 40.4278

## Achromatomaly

39.2572, 35.7828, 34.1159

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.8041, 37.1349, 25.2062 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(253, 125, 129)` looks like.

```
.text, #text, p{  
    color:rgb(253, 125, 129)  
}
```

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(253, 125, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 125, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 51.8041, 37.1349, 25.2062 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(253, 125, 129) }
```



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

```
.border{ border-color:rgb(253, 125, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 125, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 125, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 125, 129);  
box-shadow:4px 4px 4px 4px rgb(253, 125,  
129) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.8041, 37.1349, 25.2062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 125, 129) }
```

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

```
.background{ background-color: rgb(253,  
125, 129) }
```

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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