

# Converting Colors

XYZ(73.3721, 49.4512, 27.1984)

Have a look what the booklet for  
XYZ(73.3721, 49.4512, 27.1984)  
contains.

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# Color

**XYZ(53.4530, 39.1313,  
26.2085)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF8383
RGB	255, 131, 131
RGB Percent	100%, 51%, 51%
CMY	0.0000, 0.4862, 0.4863
CMYK	0.00, 0.49, 0.49, 0.00
HSL	0°, 100%, 76%
HSV	0°, 49%, 100%
XYZ	53.4530, 39.1313, 26.2085
YIQ	168.0760, 73.9040, 26.2880

# Conversions

## Conversions Part 2

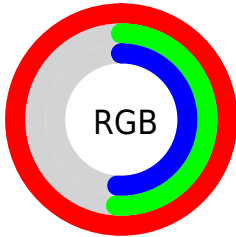
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 131, 131
Decimal	16745347
CIE <sub>Lab</sub>	68.85, 47.00, 21.88
CIE <sub>LCh</sub>	69, 51.838, 24.961
Yxy	39.1313, 0.4500, 0.3294
Android (android.graphics.Color)	4294935427 (0xFFFF8383)
YUV	168.0760, -18.2785, 76.2323
Hunter-Lab	62.5550, 43.0562, 18.9479

# Details

The XYZ color **53.4530, 39.1313, 26.2085** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **63.1678, 83.5606, 107.4069**, and the grayscale version is **37.3194, 39.2630, 42.7574**.

A 20% lighter version of the original color is **67.4506, 59.8385, 53.3424**, and **26.4955, 17.5273, 9.9693** is the 20% darker color. If you saturate the color by 10%, you get **48.9191, 32.4974, 17.1943**, and if you desaturate by 10%, it is **59.2567, 47.6245, 37.7446**.

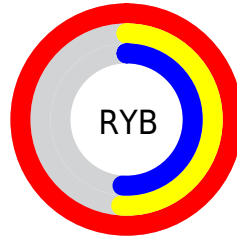
# Distribution



Red (100%)

Green (51%)

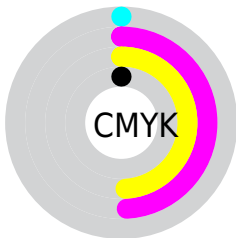
Blue (51%)



Red (100%)

Yellow (51%)

Blue (51%)

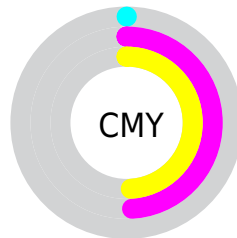


Cyan (0%)

Magenta (49%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (49%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.4530, 39.1313, 26.2085 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 53.4530, 39.1313, 26.2085 by changing the saturation by 10% instead.





 53.4530, 39.1313,  
26.2085


 53.4530, 39.1313,  
26.2085


390.2532,  
342.4484, 297.4421


 38.3934, 26.8619,  
16.7525


 94.4322, 73.8389,  
54.5993

 26.4668, 17.4695,  
9.8981


 121.0826, 97.0458,  
74.3713

 17.3077, 10.5698,  
5.2267


 152.3273,  
124.6674, 98.4189

 10.5508, 5.7784,  
2.3198

188.5317,  
157.0879, 127.1608

 5.8307, 2.7108,  
0.7423

230.0611,  
194.6919, 161.0156

 2.7821, 0.9827,  
0.0000

277.2809,

 1.0396, 0.0000,

237.8638, 200.4017

0.0000

330.5565,  
286.9878, 245.7377

■ 0.0000, 0.0000,  
0.0000

■ 53.4530, 39.1313,  
26.2085

■ 53.4530, 39.1313,  
26.2085

■ 48.9191, 32.4974,  
17.1943

■ 59.2567, 47.6245,  
37.7446

■ 45.5573, 27.5780,  
10.5116

■ 66.4124, 58.0953,  
51.9696

■ 43.2607, 24.2173,  
5.9463


■ 74.9987, 70.6594,  
69.0388

■ 41.9013, 22.2280,  
3.2445

■ 85.0874, 85.4221,  
89.0949

■ 41.2972, 21.3439,  
2.0437

95.0498, 99.9999,  
108.9000

 41.2400, 21.2602,  
1.9300

# Harmonies

## Analogous

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



55.2769, 39.1313, 46.7106



53.4530, 39.1313, 26.2085



47.0324, 39.1313, 15.2408

# Triad

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



53.4530, 39.1313, 26.2085



25.6885, 39.1313, 21.5341



35.8213, 39.1313, 105.5283

# Complementary

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



53.4530, 39.1313, 26.2085



63.1678, 83.5606, 107.4069

# 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.



28.8318, 39.1313, 91.4940



53.4530, 39.1313, 26.2085



23.5583, 39.1313, 38.7517

# Square

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



53.4530, 39.1313, 26.2085



30.9101, 39.1313, 13.3228



24.6183, 39.1313, 64.7231



44.2747, 39.1313, 98.2764



# Rectangle

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



53.4530, 39.1313, 26.2085



41.4496, 39.1313, 12.1260



24.6183, 39.1313, 64.7231



33.2385, 39.1313, 103.0289

# Sweetspot

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



53.4540, 39.1333, 26.2092



78.4809, 75.7548, 75.9610



67.4062, 44.7127, 99.6851



16.3598, 15.5732, 15.3873



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.



53.4540, 39.1333, 26.2092



49.1681, 32.8616, 17.6890



64.4066, 61.0387, 29.8601



18.0095, 17.9873, 18.6670



21.5489, 11.1090, 1.0085



2.0982, 1.0817, 0.0982



# Inverse Universe

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



63.1678, 83.5606, 107.4069



59.8828, 81.8667, 107.2534



46.4802, 50.1854, 101.8443



18.5549, 20.4813, 23.2253



28.1146, 41.1387, 55.8934



2.7374, 4.0056, 5.4421



# Previews

## White Background



This preview shows how the XYZ color 53.4530, 39.1313, 26.2085 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

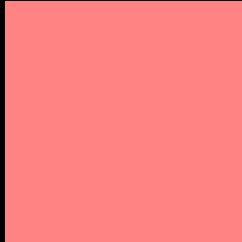
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.4530, 39.1313, 26.2085 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 53.4530, 39.1313, 26.2085**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.4530, 39.1313, 26.2085.



This preview shows how white text looks on a background with the XYZ color 53.4530, 39.1313,



# 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

53.4530, 39.1313, 26.2085

### Protanopia

37.3319, 39.4053, 34.0721

### Deuteranopia

40.0640, 39.1382, 25.1815



## Tritanopia

53.8828, 39.0893, 29.1312

# Trichromacy



## Original Color

53.4530, 39.1313, 26.2085

## Protanomaly

41.7807, 38.3748, 30.7962

## Deuteranomaly

44.0160, 38.4313, 25.5202

## Tritanomaly

53.6666, 39.0028, 27.9923

# Monochromacy



## Original Color

53.4530, 39.1313, 26.2085

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

41.4572, 38.0886, 36.1772

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.4530, 39.1313, 26.2085 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(255, 131, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 131)  
}
```

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(255, 131, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 131) }
```

## Border

The CSS property to change the border of an element to XYZ 53.4530, 39.1313, 26.2085 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(255, 131, 131) }
```



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

```
.border{ border-color:rgb(255, 131, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 131, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 131, 131); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 131, 131); box-shadow:4px 4px 4px 4px rgb(255, 131, 131) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.4530, 39.1313, 26.2085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 131, 131) }
```

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

```
.background{ background-color: rgb(255,  
131, 131) }
```

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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