

# Converting Colors

XYZ(52.5812, 37.9867, 24.7374)

Have a look what the booklet for  
XYZ(52.5812, 37.9867, 24.7374)  
contains.

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# Color

**XYZ(52.6601, 37.9710,  
24.6323)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF7F7F
RGB	255, 127, 127
RGB Percent	100%, 50%, 50%
CMY	0.0000, 0.5019, 0.5020
CMYK	0.00, 0.50, 0.50, 0.00
HSL	0°, 100%, 75%
HSV	0°, 50%, 100%
XYZ	52.6601, 37.9710, 24.6323
YIQ	165.2720, 76.2880, 27.1360

# Conversions

## Conversions Part 2

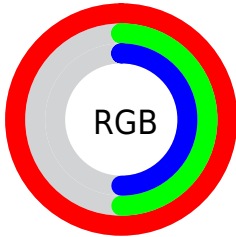
Format	Color
R <sub>Y</sub> B	255, 127, 127
Decimal	16744319
CIE Lab	68.00, 48.60, 22.96
CIE LCh	68, 53.748, 25.290
Yxy	37.9710, 0.4569, 0.3294
Android (android.graphics.Color)	4294934399 (0xFFFF7F7F)
YUV	165.2720, -18.8681, 78.6915
Hunter-Lab	61.6206, 44.7075, 19.4338

# Details

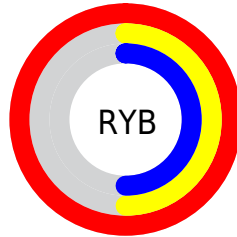
The XYZ color **52.6601, 37.9710, 24.6323** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **62.5602, 83.2475, 107.3785**, and the grayscale version is **35.9580, 37.8306, 41.1975**.

A 20% lighter version of the original color is **66.2062, 58.0112, 50.8879**, and **26.0058, 16.7845, 9.0768** is the 20% darker color. If you saturate the color by 10%, you get **48.3167, 31.6159, 15.9969**, and if you desaturate by 10%, it is **58.2591, 46.1646, 35.7614**.

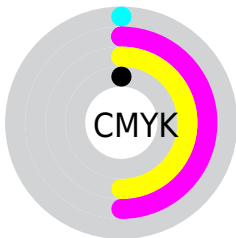
# Distribution



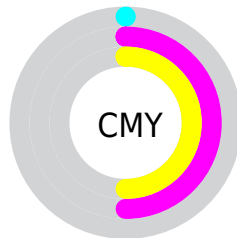
- Red (100%)
- Green (50%)
- Blue (50%)



- Red (100%)
- Yellow (50%)
- Blue (50%)



- Cyan (0%)
- Magenta (50%)
- Yellow (50%)
- Black (0%)




- Cyan (0%)
- Magenta (50%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.6601, 37.9710, 24.6323 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 52.6601, 37.9710, 24.6323 by changing the saturation by 10% instead.





 52.6601, 37.9710,  
24.6323


 52.6601, 37.9710,  
24.6323


387.2619,  
337.4956, 289.3906


 37.7579, 25.9602,  
15.5868

 93.2725, 72.0637,  
52.0168

 25.9712, 16.7939,  
9.0811

 119.7134, 94.9143,  
71.1928

 16.9347, 10.0876,  
4.6966


 150.7312,  
122.1471, 94.5828

 10.2829, 5.4571,  
2.0147

186.6914,  
154.1463, 122.6053

 5.6507, 2.5179,  
0.5643

227.9591,  
191.2963, 155.6787

 2.6725, 0.8856,  
0.0000

274.8999,

 0.9830, 0.0000,

233.9816, 194.2218

0.0000

327.8791,  
282.5866, 238.6529

■ 0.0000, 0.0000,  
0.0000

■ 52.6601, 37.9710,  
24.6323

■ 52.6601, 37.9710,  
24.6323

■ 48.3167, 31.6159,  
15.9969

■ 58.2591, 46.1646,  
35.7614

■ 45.1296, 26.9521,  
9.6613

■ 65.1972, 56.3171,  
49.5540

■ 42.9891, 23.8198,  
5.4065

■ 73.5542, 68.5458,  
66.1673

■ 41.7632, 22.0259,  
2.9700

■ 83.4027, 82.9569,  
85.7458

■ 41.2400, 21.2602,  
1.9300

94.8105, 99.6497,  
108.4242

95.0498, 99.9999,  
108.9000

# Harmonies

## Analogous

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



54.5953, 37.9710, 45.2396



52.6601, 37.9710, 24.6323



46.0377, 37.9710, 13.8746

# Triad

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



52.6601, 37.9710, 24.6323



24.4246, 37.9710, 20.2821



34.7867, 37.9710, 106.2787

# Complementary

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



52.6601, 37.9710, 24.6323



62.5602, 83.2475, 107.3785

# 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.



27.6901, 37.9710, 91.9013



52.6601, 37.9710, 24.6323



22.3250, 37.9710, 37.6787

# Square

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



52.6601, 37.9710, 24.6323



29.6502, 37.9710, 12.1284



23.4215, 37.9710, 64.2911



43.4013, 37.9710, 98.4898



# Rectangle

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



52.6601, 37.9710, 24.6323



40.3272, 37.9710, 10.8912



23.4215, 37.9710, 64.2911



32.1611, 37.9710, 103.7596

# Sweetspot

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



52.6610, 37.9730, 24.6330



78.4809, 75.7547, 75.9610



66.8793, 43.6589, 99.5095



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.



52.6610, 37.9730, 24.6330



48.3904, 31.7236, 16.1432



63.7015, 60.0540, 28.3131



18.0095, 17.9873, 18.6670



21.5489, 11.1090, 1.0085



2.0982, 1.0817, 0.0982



# Inverse Universe

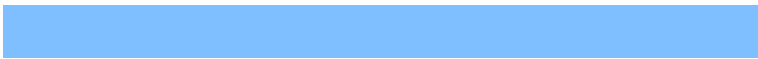
The Inverse Universe completely reimagines the original color for something new.



62.5602, 83.2475, 107.3785



59.2869, 81.5596, 107.2256



45.4333, 48.9938, 101.6696



18.5549, 20.4813, 23.2253



28.1147, 41.1389, 55.8934



2.7375, 4.0056, 5.4422



# Previews

## White Background



This preview shows how the XYZ color 52.6601, 37.9710, 24.6323 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 52.6601, 37.9710, 24.6323 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 52.6601, 37.9710, 24.6323**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.6601, 37.9710, 24.6323.



This preview shows how white text looks on a background with the XYZ color 52.6601, 37.9710,



# 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

52.6601, 37.9710, 24.6323

### Protanopia

36.2026, 38.3154, 32.2756

### Deuteranopia

38.8753, 38.0471, 23.3840



## Tritanopia

53.0740, 37.9310, 27.4458

# Trichromacy



## Original Color

52.6601, 37.9710, 24.6323

## Protanomaly

40.4443, 36.9880, 29.0525

## Deuteranomaly

42.9223, 37.2029, 23.6575

## Tritanomaly

52.8657, 37.8477, 26.3488

# Monochromacy



## Original Color

52.6601, 37.9710, 24.6323

## Achromatopsia

35.7637, 37.6262, 40.9749

## Achromatomaly

39.9412, 36.3733, 34.1938

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.6601, 37.9710, 24.6323 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, 127, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 127)  
}
```

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, 127, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 127) }
```

## Border

The CSS property to change the border of an element to XYZ 52.6601, 37.9710, 24.6323 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, 127, 127) }
```



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

```
.border{ border-color:rgb(255, 127, 127) }
```

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

Here you see how a box with a 4 pixel rgb(255, 127, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
127) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.6601, 37.9710, 24.6323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 127, 127) }
```

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

```
.background{ background-color: rgb(255,  
127, 127) }
```

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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