

Converting Colors

XYZ(50.4264, 37.9217, 10.2680)

Have a look what the booklet for
XYZ(50.4264, 37.9217, 10.2680)
contains.

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Color

**XYZ(50.4305, 37.9223,
10.2920)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8345
RGB	255, 131, 69
RGB Percent	100%, 51%, 27%
CMY	0.0000, 0.4862, 0.7294
CMYK	0.00, 0.49, 0.73, 0.00
HSL	20°, 100%, 64%
HSV	20°, 73%, 100%
XYZ	50.4305, 37.9223, 10.2920
YIQ	161.0080, 93.8060, 7.0060

Conversions

Conversions Part 2

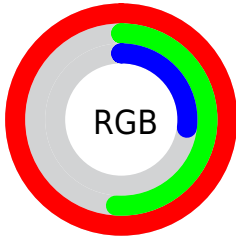
Format	Color
R _Y B	255, 162, 69
Decimal	16745285
CIE Lab	67.96, 42.87, 53.66
CIE LCh	68, 68.682, 51.376
Yxy	37.9223, 0.5112, 0.3844
Android (android.graphics.Color)	4294935365 (0xFFFF8345)
YUV	161.0080, -45.3599, 82.4310
Hunter-Lab	61.5811, 38.4118, 33.1977

Details

The XYZ color **50.4305, 37.9223, 10.2920** is a light color, and the websafe version is hex **FF6633**. The color can be described as light washed orange. A complement of this color would be **39.5727, 46.6221, 101.5204**, and the grayscale version is **34.0549, 35.8284, 39.0171**.

A 20% lighter version of the original color is **62.1891, 57.7339, 25.6353**, and **24.6354, 16.8389, 2.4821** is the 20% darker color. If you saturate the color by 10%, you get **47.7034, 33.4747, 6.2811**, and if you desaturate by 10%, it is **53.8737, 43.2591, 16.2185**.

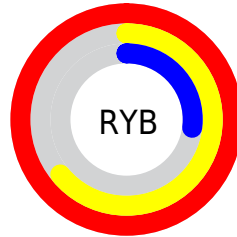
Distribution



Red (100%)

Green (51%)

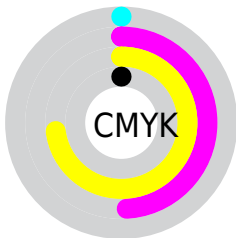
Blue (27%)



Red (100%)

Yellow (64%)

Blue (27%)

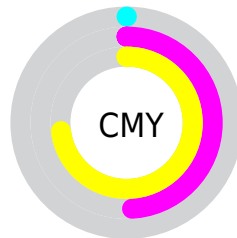


Cyan (0%)

Magenta (49%)

Yellow (73%)

Black (0%)



Cyan (0%)


Magenta (49%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 50.4305, 37.9223, 10.2920 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 50.4305, 37.9223, 10.2920 by changing the saturation by 10% instead.


 50.4305, 37.9223,
10.2920

 50.4305, 37.9223,
10.2920


378.7713,
337.2865, 203.3036

 35.9748, 25.9224,
5.4849


 90.0004, 71.9890,
26.9596


 24.5847, 16.7656,
2.4708


 115.8453, 94.8246,
39.6572


 15.8950, 10.0675,
0.8246


 146.2173,
122.0409, 55.8221

 9.5403, 5.4437,
0.0000

 181.4818,
154.0223, 75.8727

 5.1551, 2.5099,
0.0000

 222.0040,
191.1532, 100.2276

 2.3743, 0.8816,
0.0000

268.1495,

 0.8323, 0.0000,

233.8179, 129.3053

0.0000

320.2834,
282.4009, 163.5245

■ 0.0000, 0.0000,
0.0000

■ 50.4305, 37.9223,
10.2920

■ 50.4305, 37.9223,
10.2920

■ 47.7034, 33.4747,
6.2811

■ 53.8737, 43.2591,
16.2185

■ 45.6246, 29.8548,
3.9302


■ 58.0862, 49.5284,
24.2684


■ 44.4890, 27.7583,
3.0131

■ 63.1183, 56.7777,
34.6239

■ 69.0149, 65.0489,
47.4472

■ 75.8174, 74.3816,
62.8855

 83.5642, 84.8129,
81.0746

 92.2917, 96.3781,
102.1405

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



58.7292, 37.9223, 23.3603



50.4305, 37.9223, 10.2920



39.2093, 37.9223, 6.1794

Triad

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



50.4305, 37.9223, 10.2920



19.3238, 37.9223, 33.0908



44.0531, 37.9223, 123.7580

Complementary

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



50.4305, 37.9223, 10.2920



39.5727, 46.6221, 101.5204

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.



33.0538, 37.9223, 130.9153



50.4305, 37.9223, 10.2920



20.1128, 37.9223, 66.6305

Square

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



50.4305, 37.9223, 10.2920



22.2713, 37.9223, 14.3979



24.6922, 37.9223, 106.3283



54.5709, 37.9223, 89.9121

Rectangle

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



50.4305, 37.9223, 10.2920



32.1458, 37.9223, 6.3186



24.6922, 37.9223, 106.3283



40.2453, 37.9223, 129.8600

Sweetspot

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



50.4314, 37.9243, 10.2927



76.5055, 75.3156, 64.4771



52.9936, 29.3666, 53.3274



15.9557, 15.5501, 12.8327



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.



50.4314, 37.9243, 10.2927



46.5754, 31.5434, 4.9025



68.9695, 75.0007, 16.4721



18.5041, 18.9763, 18.8319



23.3685, 14.7483, 1.6150



2.3710, 1.6273, 0.1891

Inverse Universe

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



39.5727, 46.6221, 101.5204



34.9630, 40.2250, 100.5292



25.0616, 17.5999, 96.6833



18.0148, 19.4012, 23.0453



17.0847, 19.0789, 52.2167



1.7640, 2.0588, 5.1177

Previews

White Background



This preview shows how the XYZ color 50.4305, 37.9223, 10.2920 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 50.4305, 37.9223, 10.2920 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 50.4305, 37.9223, 10.2920

Background



This preview shows how black text looks on a background with the XYZ color 50.4305, 37.9223, 10.2920.



This preview shows how white text looks on a background with the XYZ color 50.4305, 37.9223,

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

50.4305, 37.9223, 10.2920

Protanopia

34.8514, 38.0420, 13.0954

Deuteranopia

38.8285, 38.0669, 9.8586



Tritanopia

53.0039, 37.9029, 27.0766

Trichromacy



Original Color

50.4305, 37.9223, 10.2920

Protanomaly

39.2741, 37.0059, 11.9104

Deuteranomaly

42.2845, 37.4088, 9.9930

Tritanomaly

51.7736, 37.8241, 19.3239

Monochromacy



Original Color

50.4305, 37.9223, 10.2920

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

37.3083, 34.9733, 25.2062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.4305, 37.9223, 10.2920 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(255, 131, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 131, 69) }
```

Border

The CSS property to change the border of an element to XYZ 50.4305, 37.9223, 10.2920 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, 69) }
```


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

```
.border{ border-color:rgb(255, 131, 69) }
```

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, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 131, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 131, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 131,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 50.4305, 37.9223, 10.2920 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, 69) }
```

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

```
.background{ background-color: rgb(255,  
131, 69) }
```

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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