

Converting Colors

XYZ(51.2206, 37.3840, 17.0866)

Have a look what the booklet for
XYZ(51.2206, 37.3840, 17.0866)
contains.

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Color

**XYZ(51.2276, 37.3981,
17.0889)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7F66
RGB	255, 127, 102
RGB Percent	100%, 50%, 40%
CMY	0.0000, 0.5019, 0.6000
CMYK	0.00, 0.50, 0.60, 0.00
HSL	10°, 100%, 70%
HSV	10°, 60%, 100%
XYZ	51.2276, 37.3981, 17.0889
YIQ	162.4220, 84.3130, 19.3610

Conversions

Conversions Part 2

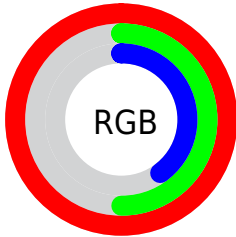
Format	Color
R _Y B	255, 132, 102
Decimal	16744294
CIE Lab	67.57, 46.67, 36.21
CIE LCh	68, 59.070, 37.810
Yxy	37.3981, 0.4846, 0.3538
Android (android.graphics.Color)	4294934374 (0xFFFF7F66)
YUV	162.4220, -29.7880, 81.1909
Hunter-Lab	61.1540, 42.5068, 26.2398

Details

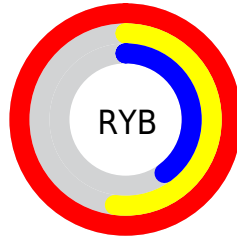
The XYZ color **51.2276, 37.3981, 17.0889** is a light color, and the websafe version is hex **FF6666**. A complement of this color would be **51.8240, 66.6339, 104.7373**, and the grayscale version is **34.6496, 36.4541, 39.6985**.

A 20% lighter version of the original color is **63.7177, 57.0158, 37.7839**, and **25.1070, 16.5014, 5.3518** is the 20% darker color. If you saturate the color by 10%, you get **47.6825, 32.0302, 10.5985**, and if you desaturate by 10%, it is **55.7466, 44.0920, 25.8227**.

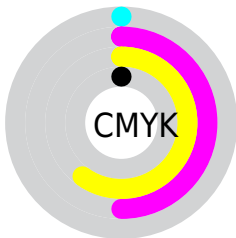
Distribution



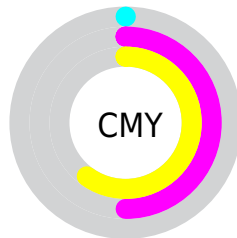
- Red (100%)
- Green (50%)
- Blue (40%)



- Red (100%)
- Yellow (52%)
- Blue (40%)



- Cyan (0%)
- Magenta (50%)
- Yellow (60%)
- Black (0%)




- Cyan (0%)
- Magenta (50%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.2276, 37.3981, 17.0889 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 51.2276, 37.3981, 17.0889 by changing the saturation by 10% instead.


 51.2276, 37.3981,
17.0889


 51.2276, 37.3981,
17.0889


381.8205,
335.0309, 247.7454

 36.6116, 25.5159,
10.1353


 91.1721, 71.1846,
39.2713

 25.0792, 16.4618,
5.3820


 117.2313, 93.8577,
55.3372

 16.2651, 9.8515,
2.4104

 147.8355,
120.8966, 75.2775

 9.8040, 5.3006,
0.7921

 183.3502,
152.6856, 99.5109

 5.3304, 2.4247,
0.0000

224.1407,
189.6091, 128.4558

 2.4792, 0.8386,
0.0000

270.5724,

 0.8848, 0.0000,

232.0516, 162.5309

0.0000

323.0105,
280.3974, 202.1545

■ 0.0000, 0.0000,
0.0000

■ 51.2276, 37.3981,
17.0889

■ 51.2276, 37.3981,
17.0889

■ 47.6825, 32.0302,
10.5985

■ 55.7466, 44.0920,
25.8227

■ 45.0344, 27.8931,
6.1424

■ 61.3029, 52.1866,
36.9794

■ 43.1988, 24.8886,
3.4755

■ 67.9577, 61.7579,
50.7223

■ 42.0564, 22.8932,
2.2023

■ 75.7665, 72.8749,
67.2001

■ 42.0563, 22.8931,
2.2022

■ 84.7811, 85.6020,
86.5502

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



55.8363, 37.3981, 34.2873



51.2276, 37.3981, 17.0889



42.5674, 37.3981, 9.7246

Triad

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



51.2276, 37.3981, 17.0889



21.6887, 37.3981, 24.5836



37.9752, 37.3981, 113.2125

Complementary

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



51.2276, 37.3981, 17.0889



51.8240, 66.6339, 104.7373

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.



29.3422, 37.3981, 106.9176



51.2276, 37.3981, 17.0889



20.8839, 37.3981, 47.9112

Square

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



51.2276, 37.3981, 17.0889



25.8676, 37.3981, 12.5861



23.4434, 37.3981, 79.7821



47.3791, 37.3981, 94.4822

Rectangle

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



51.2276, 37.3981, 17.0889



36.2182, 37.3981, 8.3783



23.4434, 37.3981, 79.7821



34.8817, 37.3981, 114.0606

Sweetspot

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



51.2285, 37.4001, 17.0896



77.4715, 75.2893, 70.8356



60.5637, 36.5918, 80.2516



16.0546, 15.3676, 14.0376



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.



51.2285, 37.4001, 17.0896



47.0837, 31.1071, 9.5515



64.6297, 64.2025, 21.5566



18.2492, 18.4665, 18.7469



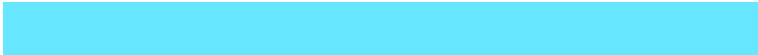
22.0456, 12.1024, 1.1741



2.2113, 1.3079, 0.1359

Inverse Universe

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



51.8240, 66.6339, 104.7373



47.6007, 62.4202, 104.1472



35.3426, 33.6711, 99.2435



18.2872, 19.9461, 23.1361



22.0007, 28.9109, 53.8554



2.2065, 2.9437, 5.2652

Previews

White Background



This preview shows how the XYZ color 51.2276, 37.3981, 17.0889 looks on a white background.

Color Contrast Check

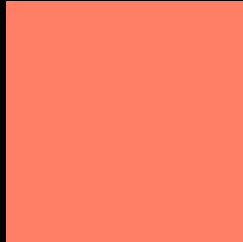
Large Text (above 18pt) WCAG AA × Fail

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 51.2276, 37.3981, 17.0889 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 51.2276, 37.3981, 17.0889

Background



This preview shows how black text looks on a background with the XYZ color 51.2276, 37.3981, 17.0889.



This preview shows how white text looks on a background with the XYZ color 51.2276, 37.3981,

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

51.2276, 37.3981, 17.0889

Protanopia

35.0261, 37.6596, 22.2526

Deuteranopia

38.2557, 37.3760, 16.2643



Tritanopia

52.6125, 37.3412, 26.2644

Trichromacy



Original Color

51.2276, 37.3981, 17.0889

Protanomaly

39.4448, 36.4249, 20.2810

Deuteranomaly

42.3023, 36.8118, 16.4311

Tritanomaly

52.0248, 37.3077, 22.5483

Monochromacy



Original Color

51.2276, 37.3981, 17.0889

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

38.2460, 35.1241, 29.5748

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.2276, 37.3981, 17.0889 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 102)  
}
```

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, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 102) }
```

Border

The CSS property to change the border of an element to XYZ 51.2276, 37.3981, 17.0889 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, 102) }
```


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

```
.border{ border-color:rgb(255, 127, 102) }
```

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, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 51.2276, 37.3981, 17.0889 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, 102) }
```

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

```
.background{ background-color: rgb(255,  
127, 102) }
```

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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