

Converting Colors

XYZ(50.0710, 36.0205, 13.8206)

Have a look what the booklet for
XYZ(50.0710, 36.0205, 13.8206)
contains.

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Color

**XYZ(50.0027, 35.9003,
13.7452)**

Conversions

Conversions Part 1

Format	Color
Hex	FF7A59
RGB	255, 122, 89
RGB Percent	100%, 48%, 35%
CMY	0.0000, 0.5215, 0.6510
CMYK	0.00, 0.52, 0.65, 0.00
HSL	12°, 100%, 67%
HSV	12°, 65%, 100%
XYZ	50.0027, 35.9003, 13.7452
YIQ	158.0050, 89.8610, 17.9330

Conversions

Conversions Part 2

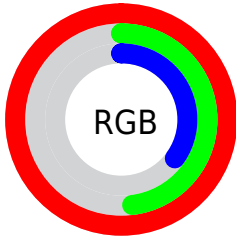
Format	Color
R_{YB}	255, 130, 89
Decimal	16743001
CIE _{Lab}	66.44, 48.27, 41.82
CIE _{LCh}	66, 63.866, 40.899
Yxy	35.9003, 0.5018, 0.3603
Android (android.graphics.Color)	4294933081 (0xFFFF7A59)
YUV	158.0050, -34.0195, 85.0646
Hunter-Lab	59.9169, 44.1099, 28.3404

Details

The XYZ color **50.0027, 35.9003, 13.7452** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted orange. A complement of this color would be **48.2891, 61.5824, 103.9487**, and the grayscale version is **32.6237, 34.3227, 37.3774**.

A 20% lighter version of the original color is **61.6958, 54.5977, 32.0976**, and **24.2233, 15.5079, 3.9071** is the 20% darker color. If you saturate the color by 10%, you get **46.8611, 31.0445, 8.2988**, and if you desaturate by 10%, it is **54.0439, 41.9628, 21.3208**.

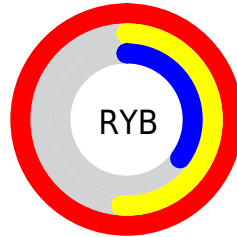
Distribution



Red (100%)

Green (48%)

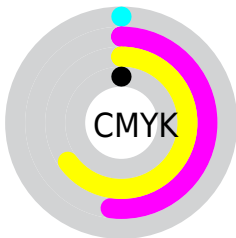
Blue (35%)



Red (100%)

Yellow (51%)

Blue (35%)

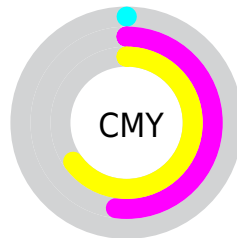


Cyan (0%)

Magenta (52%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (52%)

Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0027, 35.9003, 13.7452 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 50.0027, 35.9003, 13.7452 by changing the saturation by 10% instead.


 50.0027, 35.9003,
13.7452


 50.0027, 35.9003,
13.7452


377.1283,
328.5246, 227.0129

 35.6334, 24.3572,
7.8069


 89.3707, 68.8782,
33.3468

 24.3200, 15.5988,
3.8857


 115.1000, 91.0817,
47.8473


 15.6972, 9.2407,
1.5628


 145.3467,
117.6075, 66.0389

 9.3996, 4.8985,
0.2641

 180.4762,
148.8400, 88.3402

 5.0619, 2.1878,
0.0000

 220.8537,
185.1636, 115.1697

 2.3188, 0.7134,
0.0000

266.8446,

 0.8042, 0.0000,

226.9626, 146.9459

0.0000

318.8144,
274.6215, 184.0875

■ 0.0000, 0.0000,
0.0000

■ 50.0027, 35.9003,
13.7452

■ 50.0027, 35.9003,
13.7452

■ 46.8611, 31.0445,
8.2988

■ 54.0439, 41.9628,
21.3208

■ 44.5432, 27.3069,
4.7569

■ 59.0471, 49.3006,
31.2152

■ 42.9631, 24.5953,
2.8471

■ 65.0718, 57.9843,
43.5993

■ 42.4107, 23.6017,
2.3203

■ 72.1717, 68.0773,
58.6272

■ 80.3969, 79.6389,
76.4403

89.7941, 92.7250,
97.1702

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.



55.5635, 35.9003, 29.9491



50.0027, 35.9003, 13.7452



40.5033, 35.9003, 7.4480

Triad

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



50.0027, 35.9003, 13.7452



19.5228, 35.9003, 24.2586



37.7204, 35.9003, 117.0120

Complementary

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



50.0027, 35.9003, 13.7452



48.2891, 61.5824, 103.9487

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.



28.4491, 35.9003, 113.0077



50.0027, 35.9003, 13.7452



19.0572, 35.9003, 49.9223

Square

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



50.0027, 35.9003, 13.7452



23.4385, 35.9003, 11.2579



22.0197, 35.9003, 84.7298



47.6406, 35.9003, 93.9713

Rectangle

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



50.0027, 35.9003, 13.7452



33.8342, 35.9003, 6.5302



22.0197, 35.9003, 84.7298



34.4117, 35.9003, 118.9837

Sweetspot

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



50.0035, 35.9022, 13.7458



76.2213, 73.7841, 67.3512



58.3438, 33.8175, 74.3768



15.8288, 15.1091, 13.3669



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.



50.0035, 35.9022, 13.7458



46.1072, 29.8484, 7.0854



64.2653, 64.4259, 18.4998



18.3018, 18.5717, 18.7644



22.2428, 12.4968, 1.2398



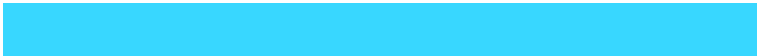
2.2379, 1.3613, 0.1448

Inverse Universe

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



48.2891, 61.5824, 103.9487



44.1019, 56.8945, 103.2651



31.7786, 28.5614, 98.4452



18.2300, 19.8316, 23.1170



20.8591, 26.6278, 53.4749



2.1054, 2.7415, 5.2315

Previews

White Background



This preview shows how the XYZ color 50.0027, 35.9003, 13.7452 looks on a white background.

Color Contrast Check

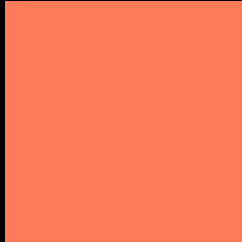
Large Text (above 18pt) WCAG AA × Fail

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 50.0027, 35.9003, 13.7452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

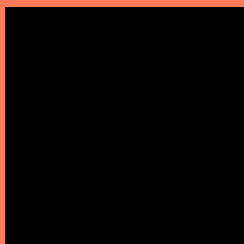
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.0027, 35.9003, 13.7452

Background



This preview shows how black text looks on a background with the XYZ color 50.0027, 35.9003, 13.7452.



This preview shows how white text looks on a background with the XYZ color 50.0027, 35.9003,

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

50.0027, 35.9003, 13.7452

Protanopia

33.3235, 36.0702, 18.3026

Deuteranopia

36.6318, 35.8625, 12.9741



Tritanopia

51.6027, 35.9600, 23.9599

Trichromacy



Original Color

50.0027, 35.9003, 13.7452

Protanomaly

37.8627, 34.7474, 16.5157

Deuteranomaly

40.5261, 35.0619, 13.2260

Tritanomaly

50.9371, 35.8852, 19.8646

Monochromacy



Original Color

50.0027, 35.9003, 13.7452

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

36.3514, 33.2817, 26.6984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0027, 35.9003, 13.7452 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, 122, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 89)  
}
```

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, 122, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 89) }
```

Border

The CSS property to change the border of an element to XYZ 50.0027, 35.9003, 13.7452 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, 122, 89) }
```


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

```
.border{ border-color:rgb(255, 122, 89) }
```

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

Here you see how a box with a 4 pixel rgb(255, 122, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0027, 35.9003, 13.7452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 122, 89) }
```

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

```
.background{ background-color: rgb(255,  
122, 89) }
```

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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