

Converting Colors

XYZ(101.9018, 67.7871,
17.2011)

Have a look what the booklet for
XYZ(101.9018, 67.7871, 17.2011)
contains.

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Color

**XYZ(53.4769, 42.8487,
14.9033)**

Conversions

Conversions Part 1

Format	Color
Hex	FF9359
RGB	255, 147, 89
RGB Percent	100%, 58%, 35%
CMY	0.0000, 0.4235, 0.6510
CMYK	0.00, 0.42, 0.65, 0.00
HSL	21°, 100%, 67%
HSV	21°, 65%, 100%
XYZ	53.4769, 42.8487, 14.9033
YIQ	172.6800, 82.9860, 4.8580

Conversions

Conversions Part 2

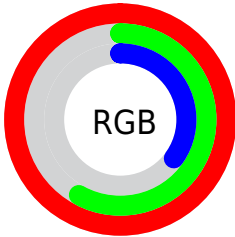
Format	Color
R_{YB}	255, 178, 89
Decimal	16749401
CIE _{Lab}	71.45, 35.83, 47.71
CIE _{LCh}	71, 59.662, 53.096
Yxy	42.8487, 0.4808, 0.3852
Android (android.graphics.Color)	4294939481 (0xFFFF9359)
YUV	172.6800, -41.2542, 72.1946
Hunter-Lab	65.4589, 31.2731, 32.3224

Details

The XYZ color **53.4769, 42.8487, 14.9033** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **42.1348, 49.2736, 101.8972**, and the grayscale version is **39.7324, 41.8016, 45.5219**.

A 20% lighter version of the original color is **67.1682, 65.4241, 34.2873**, and **26.4675, 19.6751, 4.4102** is the 20% darker color. If you saturate the color by 10%, you get **50.1894, 37.7011, 9.4083**, and if you desaturate by 10%, it is **57.5091, 48.8931, 22.4760**.

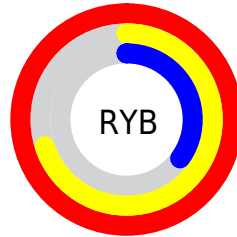
Distribution



Red (100%)

Green (58%)

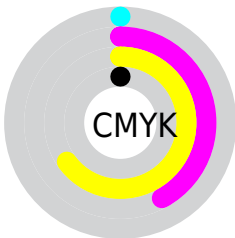
Blue (35%)



Red (100%)

Yellow (70%)

Blue (35%)

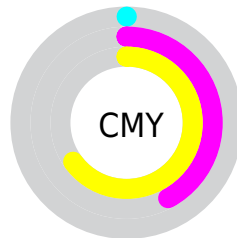


Cyan (0%)

Magenta (42%)

Yellow (65%)

Black (0%)



Cyan (0%)


Magenta (42%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.4769, 42.8487, 14.9033 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 53.4769, 42.8487, 14.9033 by changing the saturation by 10% instead.


 53.4769, 42.8487,
14.9033


 53.4769, 42.8487,
14.9033


390.3431,
357.9892, 234.4008


 38.4126, 29.7664,
8.6057


 94.4672, 79.4825,
35.4234

 26.4818, 19.6614,
4.3916


 121.1238,
103.8028, 50.4829

 17.3190, 12.1491,
1.8425


 152.3754,
132.6379, 69.3001

 10.5589, 6.8453,
0.4558

 188.5871,
166.3722, 92.2936

 5.8361, 3.3656,
0.0000

230.1244,
205.3901, 119.8818

 2.7854, 1.3254,
0.0000

277.3526,

 1.0413, 0.1608,

250.0759, 152.4834

0.0000

330.6370,
300.8142, 190.5169

■ 0.0000, 0.0000,
0.0000

■ 53.4769, 42.8487,
14.9033

■ 53.4769, 42.8487,
14.9033

■ 50.1894, 37.7011,
9.4083

■ 57.5091, 48.8931,
22.4760

■ 47.5877, 33.3959,
5.7718

■ 62.3324, 55.8711,
32.3106

■ 45.6061, 29.8814,
3.7281

■ 67.9924, 63.8254,
44.5732

■ 44.8210, 28.4223,
3.1237

■ 74.5300, 72.7938,
59.4136

■ 81.9834, 82.8118,
76.9695

90.3883, 93.9134,
97.3687

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.



61.2298, 42.8487, 28.1273



53.4769, 42.8487, 14.9033



43.0954, 42.8487, 10.4436

Triad

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



53.4769, 42.8487, 14.9033



24.3871, 42.8487, 40.3095



48.7930, 42.8487, 118.3902

Complementary

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



53.4769, 42.8487, 14.9033



42.1348, 49.2736, 101.8972

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.



38.4459, 42.8487, 126.0617



53.4769, 42.8487, 14.9033



25.4025, 42.8487, 71.9270

Square

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



53.4769, 42.8487, 14.9033



27.1374, 42.8487, 20.6750



30.1831, 42.8487, 106.4321



58.2297, 42.8487, 88.4380

Rectangle

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



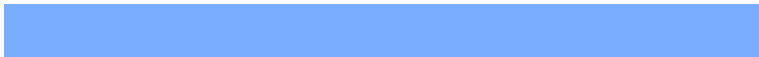
53.4769, 42.8487, 14.9033



36.4999, 42.8487, 10.8313



30.1831, 42.8487, 106.4321



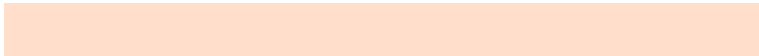
45.2672, 42.8487, 124.0570

Sweetspot

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



53.4779, 42.8509, 14.9041



78.2129, 77.7673, 68.0151



55.1987, 32.5595, 57.8150



16.2998, 16.0511, 13.5239



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.



53.4779, 42.8509, 14.9041



49.3664, 36.3669, 8.1718



70.6033, 77.1018, 20.6125



18.5285, 19.0251, 18.8400



23.5458, 15.1029, 1.6741



2.3904, 1.6661, 0.1956

Inverse Universe

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



42.1348, 49.2736, 101.8972



37.1396, 42.9699, 100.9443



28.4926, 21.9893, 97.3498



17.9893, 19.3503, 23.0368



16.6920, 18.2935, 52.0858



1.7277, 1.9861, 5.1056

Previews

White Background



This preview shows how the XYZ color 53.4769, 42.8487, 14.9033 looks on a white background.

Color Contrast Check

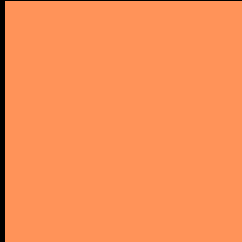
Large Text (above 18pt) WCAG AA × Fail

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 53.4769, 42.8487, 14.9033 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 53.4769, 42.8487, 14.9033

Background



This preview shows how black text looks on a background with the XYZ color 53.4769, 42.8487, 14.9033.



This preview shows how white text looks on a background with the XYZ color 53.4769, 42.8487,

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

53.4769, 42.8487, 14.9033

Protanopia

39.7698, 43.2890, 18.0639

Deuteranopia

43.7379, 42.8765, 14.3583



Tritanopia

56.4989, 42.8404, 34.5694

Trichromacy



Original Color

53.4769, 42.8487, 14.9033

Protanomaly

43.8396, 42.3354, 16.6874

Deuteranomaly

46.8836, 42.6365, 14.5627

Tritanomaly

55.1095, 42.7650, 25.7720

Monochromacy



Original Color

53.4769, 42.8487, 14.9033

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

42.7865, 41.2004, 31.2886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.4769, 42.8487, 14.9033 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, 147, 89)` looks like.

```
.text, #text, p{  
    color:rgb(255, 147, 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, 147, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 147, 89) }
```

Border

The CSS property to change the border of an element to XYZ 53.4769, 42.8487, 14.9033 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, 147, 89) }
```


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

```
.border{ border-color:rgb(255, 147, 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, 147, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 147, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 147, 89);  
box-shadow:4px 4px 4px 4px rgb(255, 147,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 53.4769, 42.8487, 14.9033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 147, 89) }
```

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

```
.background{ background-color: rgb(255,  
147, 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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