

Converting Colors

XYZ(101.6378, 67.1060,
17.5155)

Have a look what the booklet for
XYZ(101.6378, 67.1060, 17.5155)
contains.

XYZ(53.2537, 42.2661, 15.2489)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(53.2537, 42.2661,
15.2489)**

Conversions

Conversions Part 1

Format	Color
Hex	FF915B
RGB	255, 145, 91
RGB Percent	100%, 57%, 36%
CMY	0.0000, 0.4313, 0.6431
CMYK	0.00, 0.43, 0.64, 0.00
HSL	20°, 100%, 68%
HSV	20°, 64%, 100%
XYZ	53.2537, 42.2661, 15.2489
YIQ	171.7340, 82.8940, 6.5260

Conversions

Conversions Part 2

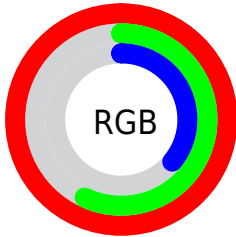
Format	Color
R_{YB}	255, 172, 91
Decimal	16748891
CIE _{Lab}	71.05, 36.97, 46.23
CIE _{LCh}	71, 59.193, 51.354
Yxy	42.2661, 0.4808, 0.3816
Android (android.graphics.Color)	4294938971 (0xFFFF915B)
YUV	171.7340, -39.8019, 73.0243
Hunter-Lab	65.0124, 32.4433, 31.6020

Details

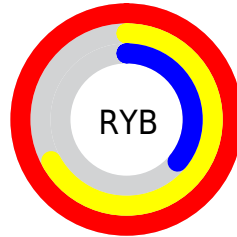
The XYZ color **53.2537, 42.2661, 15.2489** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **43.2496, 51.2144, 102.2130**, and the grayscale version is **39.2448, 41.2885, 44.9632**.

A 20% lighter version of the original color is **66.8522, 64.5517, 34.9228**, and **26.3246, 19.3333, 4.5347** is the 20% darker color. If you saturate the color by 10%, you get **49.9153, 37.0609, 9.6002**, and if you desaturate by 10%, it is **57.3611, 48.4120, 22.9976**.

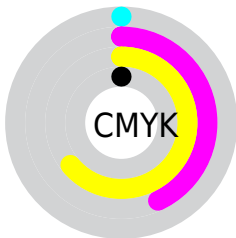
Distribution



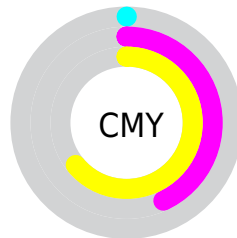
- Red (100%)
- Green (57%)
- Blue (36%)



- Red (100%)
- Yellow (67%)
- Blue (36%)



- Cyan (0%)
- Magenta (43%)
- Yellow (64%)
- Black (0%)



- Cyan (0%)
- Magenta (43%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.2537, 42.2661, 15.2489 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 53.2537, 42.2661, 15.2489 by changing the saturation by 10% instead.


 53.2537, 42.2661,
15.2489


 53.2537, 42.2661,
15.2489


389.5027,
355.5848, 236.5603


 38.2336, 29.3097,
8.8457

 94.1409, 78.6022,
36.0377


 26.3421, 19.3152,
4.5452


 120.7388,
102.7507, 51.2604

 17.2138, 11.8983,
1.9290


 151.9266,
131.3987, 70.2599

 10.4833, 6.6745,
0.5111

 188.0697,
164.9306, 93.4550

 5.7852, 3.2594,
0.0000

229.5335,
203.7307, 121.2640

 2.7544, 1.2686,
0.0000

276.6834,

 1.0252, 0.1167,

248.1836, 154.1055

0.0000

329.8847,
298.6735, 192.3981

■ 0.0000, 0.0000,
0.0000

■ 53.2537, 42.2661,
15.2489

■ 53.2537, 42.2661,
15.2489

■ 49.9153, 37.0609,
9.6002

■ 57.3611, 48.4120,
22.9976

■ 47.2857, 32.7389,
5.8346

■ 62.2851, 55.5384,
33.0290


■ 45.2985, 29.2451,
3.6909

■ 68.0724, 63.6907,
45.5084

■ 44.4080, 27.5964,
2.9861

■ 74.7650, 72.9091,
60.5852

■ 82.4022, 83.2318,
78.3964

 91.0207, 94.6948,
99.0695

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.



60.6081, 42.2661, 28.9051



53.2537, 42.2661, 15.2489



43.0989, 42.2661, 10.4512

Triad

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



53.2537, 42.2661, 15.2489



24.1559, 42.2661, 38.3113



47.5008, 42.2661, 117.6374

Complementary

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



53.2537, 42.2661, 15.2489



43.2496, 51.2144, 102.2130

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.



37.3819, 42.2661, 123.5659



53.2537, 42.2661, 15.2489



24.9401, 42.2661, 68.8305

Square

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



53.2537, 42.2661, 15.2489



27.0783, 42.2661, 19.7045



29.4310, 42.2661, 102.9894



56.9259, 42.2661, 89.0860

Rectangle

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



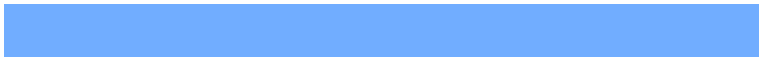
53.2537, 42.2661, 15.2489



36.5448, 42.2661, 10.6184



29.4310, 42.2661, 102.9894



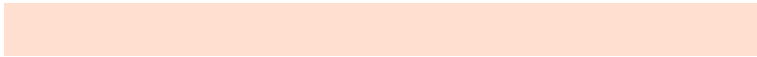
44.0330, 42.2661, 122.7046

Sweetspot

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



53.2547, 42.2683, 15.2497



78.7031, 78.2542, 69.6999



55.7684, 33.0573, 59.9830



16.3848, 16.1254, 13.8476



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.



53.2547, 42.2683, 15.2497



49.1418, 35.8150, 8.4132



70.0353, 75.8295, 20.8432



18.4979, 18.9640, 18.8298



23.3252, 14.6616, 1.6006



2.3662, 1.6177, 0.1875

Inverse Universe

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



43.2496, 51.2144, 102.2130



38.3202, 45.1136, 101.2959



29.2101, 23.1354, 97.5332



18.0212, 19.4141, 23.0474



17.1859, 19.2814, 52.2505



1.7734, 2.0774, 5.1208

Previews

White Background



This preview shows how the XYZ color 53.2537, 42.2661, 15.2489 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 53.2537, 42.2661, 15.2489 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 53.2537, 42.2661, 15.2489

Background



This preview shows how black text looks on a background with the XYZ color 53.2537, 42.2661, 15.2489.



This preview shows how white text looks on a background with the XYZ color 53.2537, 42.2661,

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

53.2537, 42.2661, 15.2489

Protanopia

38.9709, 42.2881, 18.4203

Deuteranopia

43.3403, 42.3914, 14.7022



Tritanopia

56.0429, 42.1861, 33.6227

Trichromacy



Original Color

53.2537, 42.2661, 15.2489

Protanomaly

42.9864, 41.3536, 17.0257

Deuteranomaly

46.6214, 41.9813, 14.8785

Tritanomaly

54.8093, 42.1645, 25.6719

Monochromacy



Original Color

53.2537, 42.2661, 15.2489

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

42.2354, 40.3804, 31.5547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2537, 42.2661, 15.2489 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, 145, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 91)  
}
```

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, 145, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 91) }
```

Border

The CSS property to change the border of an element to XYZ 53.2537, 42.2661, 15.2489 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, 145, 91) }
```


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

```
.border{ border-color:rgb(255, 145, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 145, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2537, 42.2661, 15.2489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 145, 91) }
```

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

```
.background{ background-color: rgb(255,  
145, 91) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor