

Converting Colors

XYZ(53.2668, 42.3344, 15.1232)

Have a look what the booklet for
XYZ(53.2668, 42.3344, 15.1232)
contains.

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Color

**XYZ(53.2109, 42.2490,
15.0232)**

Conversions

Conversions Part 1

Format	Color
Hex	FF915A
RGB	255, 145, 90
RGB Percent	100%, 57%, 35%
CMY	0.0000, 0.4313, 0.6471
CMYK	0.00, 0.43, 0.65, 0.00
HSL	20°, 100%, 68%
HSV	20°, 65%, 100%
XYZ	53.2109, 42.2490, 15.0232
YIQ	171.6200, 83.2150, 6.2150

Conversions

Conversions Part 2

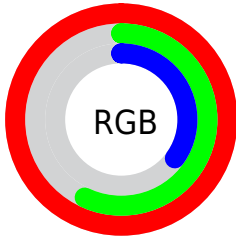
Format	Color
R_{YB}	255, 173, 90
Decimal	16748890
CIE _{Lab}	71.04, 36.91, 46.73
CIE _{LCh}	71, 59.543, 51.696
Yxy	42.2490, 0.4816, 0.3824
Android (android.graphics.Color)	4294938970 (0xFFFF915A)
YUV	171.6200, -40.2387, 73.1243
Hunter-Lab	64.9992, 32.3784, 31.7958

Details

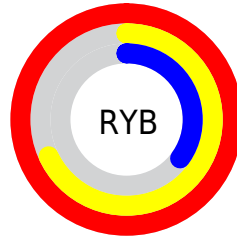
The XYZ color **53.2109, 42.2490, 15.0232** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **42.9193, 50.6993, 102.1311**, and the grayscale version is **39.1891, 41.2300, 44.8995**.

A 20% lighter version of the original color is **66.7768, 64.5215, 34.5256**, and **26.3069, 19.3263, 4.4416** is the 20% darker color. If you saturate the color by 10%, you get **49.8999, 37.0764, 9.4521**, and if you desaturate by 10%, it is **57.2847, 48.3522, 22.6851**.

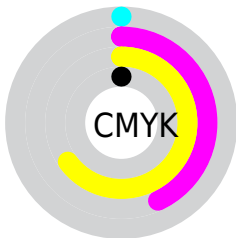
Distribution



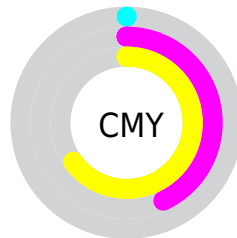
- Red (100%)
- Green (57%)
- Blue (35%)



- Red (100%)
- Yellow (68%)
- Blue (35%)



- Cyan (0%)
- Magenta (43%)
- Yellow (65%)
- Black (0%)





- Cyan (0%)
- Magenta (43%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 53.2109, 42.2490, 15.0232 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 53.2109, 42.2490, 15.0232 by changing the saturation by 10% instead.


 53.2109, 42.2490,
15.0232

 53.2109, 42.2490,
15.0232


389.3414,
355.5141, 235.1522


 38.1993, 29.2963,
8.6889


 94.0783, 78.5763,
35.6368


 26.3153, 19.3051,
4.4448


 120.6649,
102.7198, 50.7531

 17.1936, 11.8909,
1.8724


 151.8405,
131.3623, 69.6338

 10.4688, 6.6695,
0.4751

 187.9705,
164.8882, 92.6974

 5.7755, 3.2563,
0.0000

229.4202,
203.6819, 120.3625

 2.7484, 1.2669,
0.0000

276.5550,

 1.0222, 0.1154,

248.1279, 153.0477

0.0000

329.7403,
298.6105, 191.1714

■ 0.0000, 0.0000,
0.0000

■ 53.2109, 42.2490,
15.0232

■ 53.2109, 42.2490,
15.0232

■ 49.8999, 37.0764,
9.4521

■ 57.2847, 48.3522,
22.6851

■ 47.2915, 32.7774,
5.7537

■ 62.1688, 55.4254,
32.6214

■ 45.3194, 29.2976,
3.6644

■ 67.9098, 63.5133,
44.9981

■ 44.4891, 27.7585,
3.0131

■ 74.5495, 72.6559,
59.9648

■ 82.1270, 82.8907,
77.6591

90.6788, 94.2533,
98.2085

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.



60.6694, 42.2490, 28.5834



53.2109, 42.2490, 15.0232



42.9813, 42.2490, 10.3084

Triad

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



53.2109, 42.2490, 15.0232



24.0532, 42.2490, 38.5388



47.6473, 42.2490, 117.9391

Complementary

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



53.2109, 42.2490, 15.0232



42.9193, 50.6993, 102.1311

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.



37.4581, 42.2490, 124.2393



53.2109, 42.2490, 15.0232



24.8826, 42.2490, 69.3589

Square

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



53.2109, 42.2490, 15.0232



26.9439, 42.2490, 19.7252



29.4334, 42.2490, 103.7379



57.1060, 42.2490, 88.9717

Rectangle

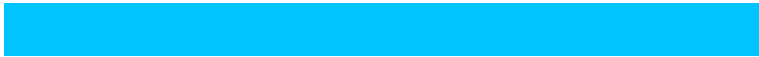
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



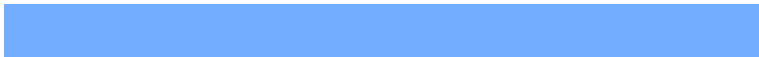
53.2109, 42.2490, 15.0232



36.4038, 42.2490, 10.5175



29.4334, 42.2490, 103.7379



44.1584, 42.2490, 123.1507

Sweetspot

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



53.2119, 42.2512, 15.0240



78.7556, 78.3592, 69.7174



55.3215, 32.7427, 58.0479



16.3973, 16.1505, 13.8518



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.



53.2119, 42.2512, 15.0240



48.9660, 35.5660, 8.0383



70.6913, 77.2101, 20.8504



18.5041, 18.9763, 18.8319



23.3685, 14.7483, 1.6151



2.3710, 1.6273, 0.1891

Inverse Universe

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



42.9193, 50.6993, 102.1311



37.8179, 44.3265, 101.1704



28.6864, 22.2334, 97.3868



18.0148, 19.4012, 23.0453



17.0846, 19.0788, 52.2167



1.7640, 2.0588, 5.1177

Previews

White Background



This preview shows how the XYZ color 53.2109, 42.2490, 15.0232 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 53.2109, 42.2490, 15.0232 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 53.2109, 42.2490, 15.0232

Background



This preview shows how black text looks on a background with the XYZ color 53.2109, 42.2490, 15.0232.



This preview shows how white text looks on a background with the XYZ color 53.2109, 42.2490,

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

53.2109, 42.2490, 15.0232

Protanopia

38.9222, 42.2686, 18.1638

Deuteranopia

43.3002, 42.3754, 14.4914



Tritanopia

56.0429, 42.1861, 33.6227

Trichromacy



Original Color

53.2109, 42.2490, 15.0232

Protanomaly

42.9401, 41.3351, 16.7816

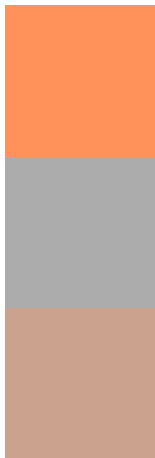
Deuteranomaly

46.5803, 41.9648, 14.6618

Tritanomaly

54.8093, 42.1645, 25.6719

Monochromacy



Original Color

53.2109, 42.2490, 15.0232

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

42.1599, 40.3502, 31.1575

CSS Examples

Text

The CSS property to change the color of the text to XYZ 53.2109, 42.2490, 15.0232 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, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 145, 90)  
}
```

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, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 145, 90) }
```

Border

The CSS property to change the border of an element to XYZ 53.2109, 42.2490, 15.0232 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, 90) }
```


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

```
.border{ border-color:rgb(255, 145, 90) }
```

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, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 145, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 145, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 145,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 53.2109, 42.2490, 15.0232 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, 90) }
```

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

```
.background{ background-color: rgb(255,  
145, 90) }
```

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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