

Converting Colors

XYZ(152.9638, 100.0000,
25.3517)

Have a look what the booklet for
XYZ(152.9638, 100.0000, 25.3517)
contains.

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Color

**XYZ(58.3215, 51.0922,
20.9753)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAA6C
RGB	255, 170, 108
RGB Percent	100%, 67%, 42%
CMY	0.0000, 0.3333, 0.5765
CMYK	0.00, 0.33, 0.58, 0.00
HSL	25°, 100%, 71%
HSV	25°, 58%, 100%
XYZ	58.3215, 51.0922, 20.9753
YIQ	188.3470, 70.5620, -1.2620

Conversions

Conversions Part 2

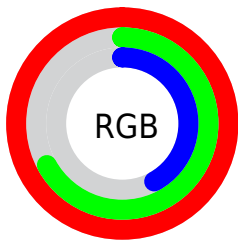
Format	Color
RYB	255, 215, 108
Decimal	16755308
CIELab	76.73, 25.16, 44.38
CIElCh	77, 51.016, 60.448
Yxy	51.0922, 0.4473, 0.3918
Android (android.graphics.Color)	4294945388 (0xFFFFAA6C)
YUV	188.3470, -39.6111, 58.4547
Hunter-Lab	71.4788, 20.5551, 32.6366

Details

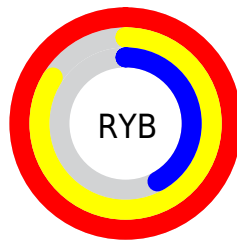
The XYZ color **58.3215, 51.0922, 20.9753** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **43.3032, 48.5456, 101.6951**, and the grayscale version is **48.1888, 50.6984, 55.2106**.

A 20% lighter version of the original color is **74.8694, 78.2259, 44.8713**, and **29.3731, 24.4974, 7.1833** is the 20% darker color. If you saturate the color by 10%, you get **54.5472, 45.4072, 13.9727**, and if you desaturate by 10%, it is **62.8051, 57.5610, 30.1728**.

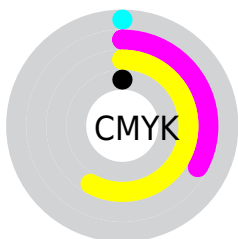
Distribution



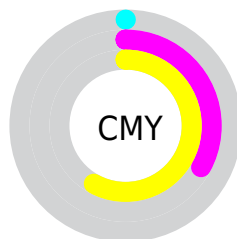
- Red (100%)
- Green (67%)
- Blue (42%)



- Red (100%)
- Yellow (84%)
- Blue (42%)



- Cyan (0%)
- Magenta (33%)
- Yellow (58%)
- Black (0%)



- Cyan (0%)
- Magenta (33%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 58.3215, 51.0922, 20.9753 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 58.3215, 51.0922, 20.9753 by changing the saturation by 10% instead.

58.3215, 51.0922,
20.9753

58.3215, 51.0922,
20.9753

408.3174,
390.9219, 269.9239

42.3114, 36.2820,
12.9149

101.5112, 91.7910,
45.9267

29.5374, 24.6521,
7.2399

129.4215,
118.4485, 63.6547

19.6341, 15.8180,
3.5319

162.0292,
149.8238, 85.4424

12.2360, 9.3955,
1.3722

199.6998,
186.3013, 111.7082

6.9780, 5.0000,
0.1199

242.7986,
228.2655, 142.8707

3.4945, 2.2473,
0.0000

291.6909,

1.4204, 0.7456,

276.1007, 179.3485

0.0000

346.7420,
330.1914, 221.5601

■ 0.2707, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.3215, 51.0922,
20.9753

■ 58.3215, 51.0922,
20.9753

■ 54.5472, 45.4072,
13.9727

■ 62.8051, 57.5610,
30.1728

■ 51.4325, 40.4637,
8.9707

■ 68.0354, 64.8380,
41.7309

■ 48.9260, 36.2259,
5.7449

■ 74.0512, 72.9556,
55.8026

■ 46.9606, 32.6489,
3.9991

■ 80.8873, 81.9419,
72.5271

46.5562, 31.8927,
3.7021

88.5761, 91.8237,
92.0332

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.



66.4193, 51.0922, 32.7733



58.3215, 51.0922, 20.9753



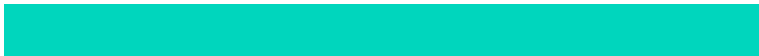
48.4162, 51.0922, 17.5644

Triad

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



58.3215, 51.0922, 20.9753



32.2405, 51.0922, 56.0486



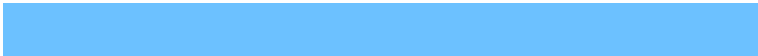
58.6068, 51.0922, 115.3230

Complementary

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



58.3215, 51.0922, 20.9753



43.3032, 48.5456, 101.6951

Split Complementary

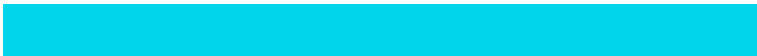
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



48.7073, 51.0922, 127.6770



58.3215, 51.0922, 20.9753



34.2312, 51.0922, 87.2150

Square

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



58.3215, 51.0922, 20.9753



34.1161, 51.0922, 33.2833



39.9562, 51.0922, 116.0020



66.5988, 51.0922, 86.2443

Rectangle

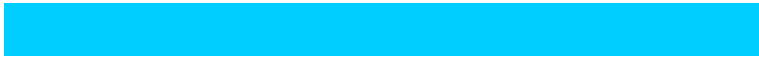
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.3215, 51.0922, 20.9753



42.3510, 51.0922, 19.1658



39.9562, 51.0922, 116.0020



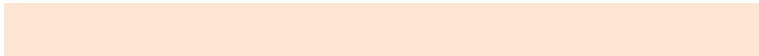
55.3516, 51.0922, 121.9299

Sweetspot

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



58.3227, 51.0948, 20.9763



81.3584, 82.5536, 73.7025



56.3121, 35.8693, 54.8476



17.1033, 17.2657, 15.0016



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.



58.3227, 51.0948, 20.9763



54.0882, 44.6954, 13.1830



75.9224, 86.2940, 26.8428



18.6391, 19.2463, 18.8769



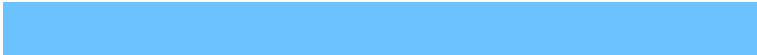
24.4669, 16.9449, 1.9812



2.4876, 1.8605, 0.2280

Inverse Universe

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



43.3032, 48.5456, 101.6951



37.7583, 41.8437, 100.6943



30.9813, 23.9018, 97.5878



17.8754, 19.1223, 22.9988



15.0701, 15.0497, 51.5452



1.5755, 1.6817, 5.0548

Previews

White Background



This preview shows how the XYZ color 58.3215, 51.0922, 20.9753 looks on a white background.

Color Contrast Check

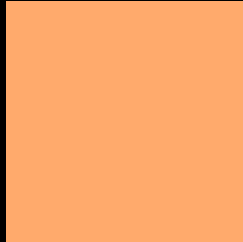
Large Text (above 18pt) WCAG AA × Fail

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 58.3215, 51.0922, 20.9753 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 58.3215, 51.0922, 20.9753

Background



This preview shows how black text looks on a background with the XYZ color 58.3215, 51.0922, 20.9753.



This preview shows how white text looks on a background with the XYZ color 58.3215, 51.0922,

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

58.3215, 51.0922, 20.9753

Protanopia

47.2401, 51.3301, 23.6375

Deuteranopia

52.4041, 51.2442, 20.7648



Tritanopia

62.2533, 50.9061, 47.1022

Trichromacy



Original Color

58.3215, 51.0922, 20.9753

Protanomaly

50.5986, 50.8841, 22.4840

Deuteranomaly

54.3112, 51.0311, 20.8974

Tritanomaly

60.4621, 50.7668, 35.8904

Monochromacy



Original Color

58.3215, 51.0922, 20.9753

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

49.9333, 49.5480, 39.7328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.3215, 51.0922, 20.9753 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, 170, 108)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 108)  
}
```

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, 170, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 108) }
```

Border

The CSS property to change the border of an element to XYZ 58.3215, 51.0922, 20.9753 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, 170, 108) }
```


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

```
.border{ border-color:rgb(255, 170, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 170, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 108);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 58.3215, 51.0922, 20.9753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 108) }
```

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

```
.background{ background-color: rgb(255,  
170, 108) }
```

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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