

Converting Colors

XYZ(51.4272, 38.1071, 16.2002)

Have a look what the booklet for
XYZ(51.4272, 38.1071, 16.2002)
contains.

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Color

**XYZ(51.4272, 38.1071,
16.2002)**

Conversions

Conversions Part 1

Format	Color
Hex	FF8262
RGB	255, 130, 98
RGB Percent	100%, 51%, 38%
CMY	0.0000, 0.4902, 0.6157
CMYK	0.00, 0.49, 0.62, 0.00
HSL	12°, 100%, 69%
HSV	12°, 62%, 100%
XYZ	51.4272, 38.1071, 16.2002
YIQ	163.7270, 84.7720, 16.5480

Conversions

Conversions Part 2

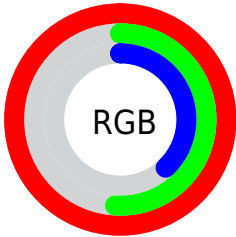
Format	Color
R _Y B	255, 138, 98
Decimal	16745058
CIE Lab	68.10, 44.93, 39.02
CIE LCh	68, 59.512, 40.971
Yxy	38.1071, 0.4864, 0.3604
Android (android.graphics.Color)	4294935138 (0xFFFF8262)
YUV	163.7270, -32.4034, 80.0464
Hunter-Lab	61.7309, 40.6767, 27.6520

Details

The XYZ color **51.4272, 38.1071, 16.2002** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **49.4728, 62.5881, 104.0803**, and the grayscale version is **35.2789, 37.1161, 40.4194**.

A 20% lighter version of the original color is **64.0138, 58.1278, 36.2797**, and **25.2219, 16.8755, 4.9456** is the 20% darker color. If you saturate the color by 10%, you get **47.9702, 32.8230, 10.0242**, and if you desaturate by 10%, it is **55.8021, 44.6141, 24.5742**.

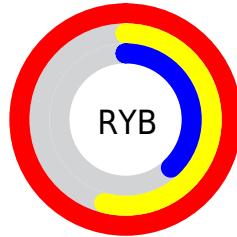
Distribution



Red (100%)

Green (51%)

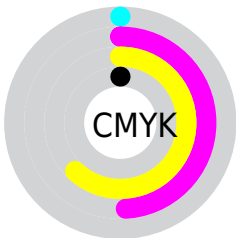
Blue (38%)



Red (100%)

Yellow (54%)

Blue (38%)

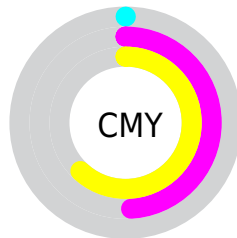


Cyan (0%)

Magenta (49%)

Yellow (62%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.4272, 38.1071, 16.2002 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 51.4272, 38.1071, 16.2002 by changing the saturation by 10% instead.


 51.4272, 38.1071,
16.2002

 51.4272, 38.1071,
16.2002


382.5816,
338.0792, 242.4061


 36.7711, 26.0658,
9.5100


 91.4652, 72.2723,
37.7170

 25.2032, 16.8729,
4.9740


 117.5778, 95.1649,
53.3808

 16.3580, 10.1439,
2.1735


 148.2400,
122.4435, 72.8728

 9.8703, 5.4945,
0.6590

 183.8170,
154.4925, 96.6117

 5.3747, 2.5402,
0.0000

224.6744,
191.6961, 125.0159

 2.5057, 0.8967,
0.0000

271.1774,

 0.8981, 0.0000,

234.4388, 158.5040

0.0000

323.6913,
283.1050, 197.4945

■ 0.0000, 0.0000,
0.0000

■ 51.4272, 38.1071,
16.2002

■ 51.4272, 38.1071,
16.2002

■ 47.9702, 32.8230,
10.0242

■ 55.8021, 44.6141,
24.5742

■ 45.3591, 28.6775,
5.8341

■ 61.1541, 52.4088,
35.3271

■ 43.5143, 25.5849,
3.3790

■ 67.5403, 61.5587,
48.6233

■ 42.4671, 23.7146,
2.3391

■ 75.0125, 72.1247,
64.6122

■ 83.6190, 84.1639,
83.4311

93.4052, 97.7303,
105.2085

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.



56.7066, 38.1071, 32.5088



51.4272, 38.1071, 16.2002



42.3528, 38.1071, 9.5107

Triad

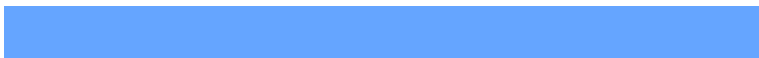
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51.4272, 38.1071, 16.2002



21.8376, 38.1071, 26.9645



39.7218, 38.1071, 114.5706

Complementary

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



51.4272, 38.1071, 16.2002



49.4728, 62.5881, 104.0803

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.



30.7092, 38.1071, 110.9524



51.4272, 38.1071, 16.2002



21.3778, 38.1071, 51.9944

Square

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



51.4272, 38.1071, 16.2002



25.7370, 38.1071, 13.6370



24.3512, 38.1071, 84.8135



49.2204, 38.1071, 93.2549

Rectangle

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



51.4272, 38.1071, 16.2002



35.9181, 38.1071, 8.5055



24.3512, 38.1071, 84.8135



36.5229, 38.1071, 116.4037

Sweetspot

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



51.4281, 38.1091, 16.2009



77.9512, 76.2488, 70.9956



59.0078, 35.3556, 73.9510



16.1695, 15.5975, 14.0759



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.



51.4281, 38.1091, 16.2009



47.2604, 31.7132, 8.8311



65.9759, 67.2047, 21.0501



18.3093, 18.5867, 18.7669



22.2740, 12.5592, 1.2502



2.2420, 1.3694, 0.1462

Inverse Universe

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



49.4728, 62.5881, 104.0803



45.0090, 57.7726, 103.3868



33.2278, 30.0983, 98.6654



18.2219, 19.8154, 23.1143



20.7021, 26.3137, 53.4225



2.0914, 2.7135, 5.2268

Previews

White Background



This preview shows how the XYZ color 51.4272, 38.1071, 16.2002 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 51.4272, 38.1071, 16.2002 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 51.4272, 38.1071, 16.2002

Background



This preview shows how black text looks on a background with the XYZ color 51.4272, 38.1071, 16.2002.



This preview shows how white text looks on a background with the XYZ color 51.4272, 38.1071,

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

51.4272, 38.1071, 16.2002

Protanopia

35.3832, 38.1456, 20.8272

Deuteranopia

38.9585, 38.2655, 15.4579



Tritanopia

53.2025, 38.1880, 27.4886

Trichromacy



Original Color

51.4272, 38.1071, 16.2002

Protanomaly

39.7772, 37.1094, 18.9763

Deuteranomaly

42.7345, 37.5176, 15.5789

Tritanomaly

52.4720, 38.1035, 23.0015

Monochromacy



Original Color

51.4272, 38.1071, 16.2002

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

38.9878, 36.2202, 29.7473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.4272, 38.1071, 16.2002 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, 130, 98)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 98)  
}
```

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, 130, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 98) }
```

Border

The CSS property to change the border of an element to XYZ 51.4272, 38.1071, 16.2002 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, 130, 98) }
```


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

```
.border{ border-color:rgb(255, 130, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 130, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 98);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 51.4272, 38.1071, 16.2002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 98) }
```

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

```
.background{ background-color: rgb(255,  
130, 98) }
```

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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