

Converting Colors

XYZ(77.3287, 60.6831, 22.5530)

Have a look what the booklet for
XYZ(77.3287, 60.6831, 22.5530)
contains.

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Color

**XYZ(58.2972, 50.7836,
21.7685)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA96F
RGB	255, 169, 111
RGB Percent	100%, 66%, 44%
CMY	0.0000, 0.3372, 0.5647
CMYK	0.00, 0.34, 0.56, 0.00
HSL	24°, 100%, 72%
HSV	24°, 56%, 100%
XYZ	58.2972, 50.7836, 21.7685
YIQ	188.1020, 69.8740, 0.1940

Conversions

Conversions Part 2

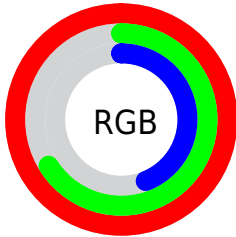
Format	Color
R_{YB}	255, 208, 111
Decimal	16755055
CIE Lab	76.55, 25.91, 42.62
CIE LCh	77, 49.876, 58.704
Yxy	50.7836, 0.4455, 0.3881
Android (android.graphics.Color)	4294945135 (0xFFFFA96F)
YUV	188.1020, -38.0113, 58.6695
Hunter-Lab	71.2626, 21.3144, 31.7726

Details

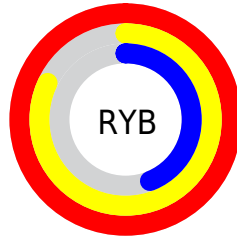
The XYZ color **58.2972, 50.7836, 21.7685** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **44.5707, 50.5295, 102.0114**, and the grayscale version is **48.0405, 50.5424, 55.0407**.

A 20% lighter version of the original color is **74.8661, 77.7908, 46.1912**, and **29.5934, 24.4298, 7.5706** is the 20% darker color. If you saturate the color by 10%, you get **54.4187, 44.9621, 14.5096**, and if you desaturate by 10%, it is **62.9088, 57.4305, 31.2494**.

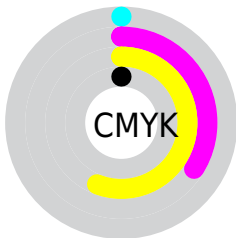
Distribution



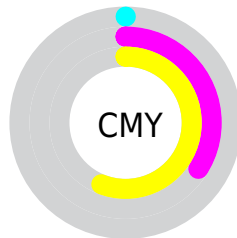
- Red (100%)
- Green (66%)
- Blue (44%)



- Red (100%)
- Yellow (82%)
- Blue (44%)



- Cyan (0%)
- Magenta (34%)
- Yellow (56%)
- Black (0%)




- Cyan (0%)
- Magenta (34%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.2972, 50.7836, 21.7685 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 58.2972, 50.7836, 21.7685 by changing the saturation by 10% instead.


 58.2972, 50.7836,
21.7685

 58.2972, 50.7836,
21.7685


408.2285,
389.7224, 274.2489


 42.2918, 36.0364,
13.4902


 101.4760, 91.3348,
47.2604


 29.5220, 24.4623,
7.6323


 129.3801,
117.9076, 65.3110

 19.6223, 15.6769,
3.7762


 161.9812,
149.1911, 87.4562

 12.2275, 9.2958,
1.5034

 199.6446,
185.5697, 114.1144

 6.9721, 4.9346,
0.2204

242.7357,
227.4277, 145.7043

 3.4908, 2.2090,
0.0000

291.6198,

 1.4183, 0.7249,

275.1496, 182.6443

0.0000

346.6623,
329.1197, 225.3530

■ 0.2692, 0.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 58.2972, 50.7836,
21.7685

■ 58.2972, 50.7836,
21.7685

■ 54.4187, 44.9621,
14.5096

■ 62.9088, 57.4305,
31.2494

■ 51.2232, 39.9216,
9.2811

■ 68.2917, 64.9289,
43.1163

■ 48.6589, 35.6244,
5.8632

■ 74.4851, 73.3130,
57.5208

■ 46.6617, 32.0247,
3.9805

■ 81.5246, 82.6127,
74.6008

46.0622, 30.9046,
3.5374

89.4432, 92.8564,
94.4847

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.



65.9536, 50.7836, 33.9429



58.2972, 50.7836, 21.7685



48.6790, 50.7836, 17.9684

Triad

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



58.2972, 50.7836, 21.7685



32.3362, 50.7836, 54.1301



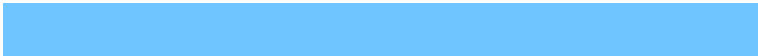
57.4964, 50.7836, 114.3826

Complementary

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



58.2972, 50.7836, 21.7685



44.5707, 50.5295, 102.0114

Split Complementary

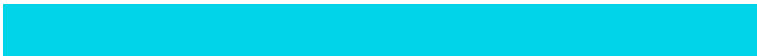
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.8599, 50.7836, 125.0194



58.2972, 50.7836, 21.7685



34.0660, 50.7836, 84.1237

Square

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



58.2972, 50.7836, 21.7685



34.3917, 50.7836, 32.4966



39.4610, 50.7836, 112.4890



65.4506, 50.7836, 86.8397

Rectangle

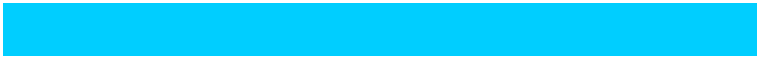
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58.2972, 50.7836, 21.7685



42.6921, 50.7836, 19.2875



39.4610, 50.7836, 112.4890



54.3100, 50.7836, 120.3836

Sweetspot

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



58.2984, 50.7861, 21.7695



81.1299, 82.0966, 73.6263



57.0485, 36.6788, 57.1371



17.0495, 17.1583, 14.9836



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.



58.2984, 50.7861, 21.7695



53.8868, 44.1411, 13.5830



75.4461, 85.0815, 27.4854



18.6100, 19.1881, 18.8672



24.2054, 16.4221, 1.8940



2.4605, 1.8063, 0.2190

Inverse Universe

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



44.5707, 50.5295, 102.0114



38.8756, 43.7571, 101.0047



31.9902, 25.3687, 97.8179



17.9052, 19.1819, 23.0087



15.4726, 15.8548, 51.6794



1.6137, 1.7580, 5.0676

Previews

White Background



This preview shows how the XYZ color 58.2972, 50.7836, 21.7685 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 58.2972, 50.7836, 21.7685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

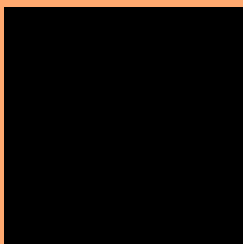
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 58.2972, 50.7836, 21.7685

Background



This preview shows how black text looks on a background with the XYZ color 58.2972, 50.7836, 21.7685.



This preview shows how white text looks on a background with the XYZ color 58.2972, 50.7836,

21.7685.

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

58.2972, 50.7836, 21.7685

Protanopia

46.9810, 50.8489, 24.7914

Deuteranopia

52.2392, 51.1408, 21.5859



Tritanopia

62.2533, 50.9061, 47.1022

Trichromacy



Original Color

58.2972, 50.7836, 21.7685

Protanomaly

50.6208, 50.5641, 23.6148

Deuteranomaly

54.4718, 51.0953, 21.7433

Tritanomaly

60.5437, 50.7994, 36.3200

Monochromacy



Original Color

58.2972, 50.7836, 21.7685

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

50.0204, 49.5829, 40.1918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2972, 50.7836, 21.7685 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, 169, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 169, 111)  
}
```

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, 169, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 169, 111) }
```

Border

The CSS property to change the border of an element to XYZ 58.2972, 50.7836, 21.7685 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, 169, 111) }
```


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

```
.border{ border-color:rgb(255, 169, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 169, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 169, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 169, 111);  
box-shadow:4px 4px 4px 4px rgb(255, 169,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2972, 50.7836, 21.7685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 169, 111) }
```

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

```
.background{ background-color: rgb(255,  
169, 111) }
```

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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