

Converting Colors

XYZ(61.9272, 54.0582, 29.7440)

Have a look what the booklet for
XYZ(61.9272, 54.0582, 29.7440)
contains.

XYZ(60.8730, 53.6412, 29.6997)	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(60.8730, 53.6412,
29.6997)**

Conversions

Conversions Part 1

Format	Color
Hex	FFAF86
RGB	255, 175, 134
RGB Percent	100%, 69%, 53%
CMY	0.0000, 0.3137, 0.4745
CMYK	0.00, 0.31, 0.47, 0.00
HSL	20°, 100%, 76%
HSV	20°, 47%, 100%
XYZ	60.8730, 53.6412, 29.6997
YIQ	194.2460, 60.8410, 4.2090

Conversions

Conversions Part 2

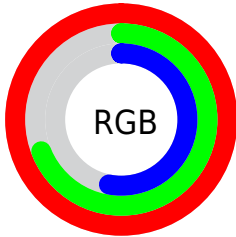
Format	Color
R_{YB}	255, 196, 134
Decimal	16756614
CIE _{Lab}	78.25, 24.73, 32.80
CIE _{LCh}	78, 41.076, 52.983
Yxy	53.6412, 0.4221, 0.3720
Android (android.graphics.Color)	4294946694 (0xFFFFAF86)
YUV	194.2460, -29.7013, 53.2813
Hunter-Lab	73.2402, 20.1887, 27.2253

Details

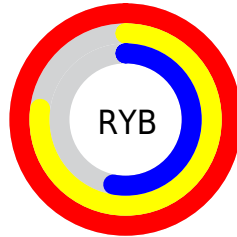
The XYZ color **60.8730, 53.6412, 29.6997** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **51.9268, 60.3786, 103.5247**, and the grayscale version is **51.5703, 54.2560, 59.0848**.

A 20% lighter version of the original color is **78.8930, 82.0427, 59.2547**, and **31.0654, 26.1613, 11.7998** is the 20% darker color. If you saturate the color by 10%, you get **56.2256, 46.8578, 20.4088**, and if you desaturate by 10%, it is **66.3615, 61.4206, 41.3873**.

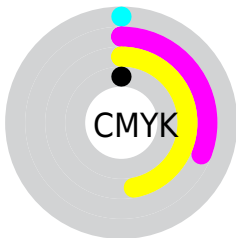
Distribution



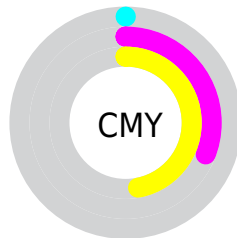
- Red (100%)
- Green (69%)
- Blue (53%)



- Red (100%)
- Yellow (77%)
- Blue (53%)



- Cyan (0%)
- Magenta (31%)
- Yellow (47%)
- Black (0%)





- Cyan (0%)
- Magenta (31%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.8730, 53.6412, 29.6997 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 60.8730, 53.6412, 29.6997 by changing the saturation by 10% instead.


 60.8730, 53.6412,
29.6997

 60.8730, 53.6412,
29.6997


417.5916,
400.7403, 314.6658

 44.3748, 38.3149,
19.3606


 105.1942, 95.5472,
60.2423

 31.1645, 26.2272,
11.7517

 133.7479,
122.8957, 81.2830

 20.8766, 16.9937,
6.4544


 167.0509,
155.0204, 106.7279

 13.1457, 10.2300,
3.0501

205.4684,
192.3056, 136.9957

 7.6067, 5.5517,
1.1203

249.3659,
235.1359, 172.5048

 3.8940, 2.5745,
0.0000

299.1087,

 1.6423, 0.9138,

283.8955, 213.6739

0.0000

355.0621,
338.9688, 260.9213

0.4198, 0.0000,
0.0000

0.0000, 0.0000,
0.0000

60.8730, 53.6412,
29.6997

60.8730, 53.6412,
29.6997

56.2256, 46.8578,
20.4088

66.3615, 61.4206,
41.3873

52.3690, 41.0200,
13.3415

72.7296, 70.2280,
55.6219

49.2529, 36.0843,
8.3059

80.0180, 80.1035,
72.5450

46.8183, 31.9997,
5.0756

88.2635, 91.0825,
92.2867

■ 44.9923, 28.7079,
3.3565

95.0498, 99.9999,
108.9000

■ 44.6010, 27.9823,
3.0504

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



66.5877, 53.6412, 42.7633



60.8730, 53.6412, 29.6997



52.8969, 53.6412, 24.5540

Triad

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



60.8730, 53.6412, 29.6997



37.1243, 53.6412, 53.1613



57.2643, 53.6412, 109.4040

Complementary

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



60.8730, 53.6412, 29.6997



51.9268, 60.3786, 103.5247

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.



49.1185, 53.6412, 114.3142



60.8730, 53.6412, 29.6997



38.0314, 53.6412, 77.4627

Square

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



60.8730, 53.6412, 29.6997



39.6064, 53.6412, 35.5937



42.2292, 53.6412, 101.3871



64.3560, 53.6412, 89.3340

Rectangle

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



60.8730, 53.6412, 29.6997



47.5882, 53.6412, 25.0060



42.2292, 53.6412, 101.3871



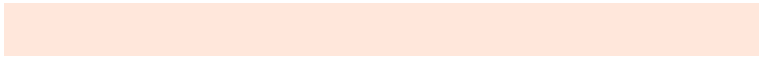
54.5383, 53.6412, 113.0661

Sweetspot

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



60.8743, 53.6438, 29.7007



82.7533, 83.7654, 79.0319



61.9881, 43.1997, 69.1370



17.3437, 17.4358, 16.0393



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.



60.8743, 53.6438, 29.7007



56.4178, 47.1429, 20.7781



75.2036, 82.3023, 34.4772



18.5125, 18.9931, 18.8347



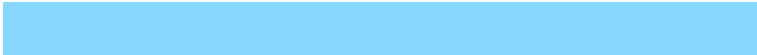
23.4284, 14.8680, 1.6350



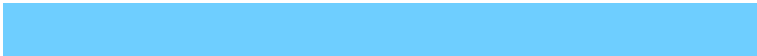
2.3775, 1.6404, 0.1913

Inverse Universe

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



51.9268, 60.3786, 103.5247



46.4462, 54.5310, 102.6853



39.4650, 35.4551, 99.3708



18.0060, 19.3837, 23.0424



16.9483, 18.8062, 52.1713



1.7515, 2.0336, 5.1135

Previews

White Background



This preview shows how the XYZ color 60.8730, 53.6412, 29.6997 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 60.8730, 53.6412, 29.6997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

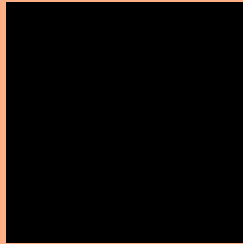
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 60.8730, 53.6412, 29.6997

Background



This preview shows how black text looks on a background with the XYZ color 60.8730, 53.6412, 29.6997.



This preview shows how white text looks on a background with the XYZ color 60.8730, 53.6412,

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

60.8730, 53.6412, 29.6997

Protanopia

50.1867, 53.9465, 33.3588

Deuteranopia

55.0025, 53.9396, 29.3422



Tritanopia

64.2464, 53.7632, 51.2472

Trichromacy



Original Color

60.8730, 53.6412, 29.6997

Protanomaly

53.4819, 53.4123, 31.9169

Deuteranomaly

56.8968, 53.6746, 29.5518

Tritanomaly

62.7841, 53.4817, 42.6112

Monochromacy



Original Color

60.8730, 53.6412, 29.6997

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

53.5356, 53.1181, 46.4609

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.8730, 53.6412, 29.6997 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, 175, 134)` looks like.

```
.text, #text, p{  
    color:rgb(255, 175, 134)  
}
```

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, 175, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 175, 134) }
```

Border

The CSS property to change the border of an element to XYZ 60.8730, 53.6412, 29.6997 is called "border". The border property can be set on classes, ids or directly on the HTML element.

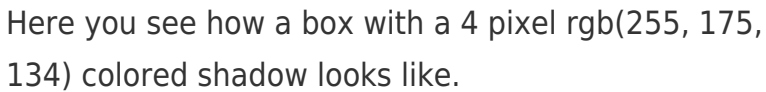
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 175, 134) }
```


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

```
.border{ border-color:rgb(255, 175, 134) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 175, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 175, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 175, 134);  
box-shadow:4px 4px 4px 4px rgb(255, 175,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 60.8730, 53.6412, 29.6997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 175, 134) }
```

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

```
.background{ background-color: rgb(255,  
175, 134) }
```

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