

Converting Colors

XYZ(59.7970, 60.2982, 47.4527)

Have a look what the booklet for
XYZ(59.7970, 60.2982, 47.4527)
contains.

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Color

**XYZ(59.8647, 60.3194,
47.5173)**

Conversions

Conversions Part 1

Format	Color
Hex	E4C7AC
RGB	228, 199, 172
RGB Percent	89%, 78%, 67%
CMY	0.1059, 0.2196, 0.3255
CMYK	0.00, 0.13, 0.25, 0.11
HSL	29°, 51%, 78%
HSV	29°, 25%, 89%
XYZ	59.8647, 60.3194, 47.5173
YIQ	204.5930, 25.9510, -2.2490

Conversions

Conversions Part 2

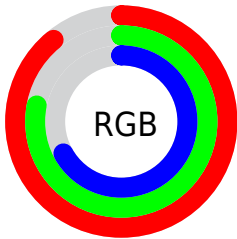
Format	Color
R _Y B	228, 224, 172
Decimal	14993324
CIE Lab	82.01, 6.13, 17.28
CIE LCh	82, 18.338, 70.465
Yxy	60.3194, 0.3570, 0.3597
Android (android.graphics.Color)	4293183404 (0xFFE4C7AC)
YUV	204.5930, -16.0683, 20.5279
Hunter-Lab	77.6656, 1.6733, 18.0911

Details

The XYZ color **59.8647, 60.3194, 47.5173** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **51.9030, 56.1437, 81.5002**, and the grayscale version is **57.8584, 60.8715, 66.2891**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **30.5288, 30.3775, 22.0237** is the 20% darker color. If you saturate the color by 10%, you get **55.2488, 54.2962, 36.0865**, and if you desaturate by 10%, it is **65.0702, 66.9198, 60.9995**.

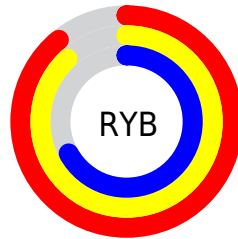
Distribution



Red (89%)

Green (78%)

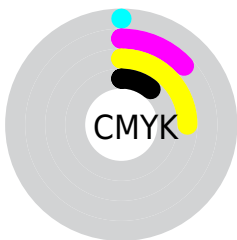
Blue (67%)



Red (89%)

Yellow (88%)

Blue (67%)

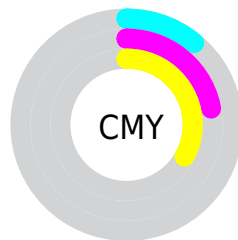


Cyan (0%)

Magenta (13%)

Yellow (25%)

Black (11%)



Cyan (11%)


Magenta (22%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.8647, 60.3194, 47.5173 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 59.8647, 60.3194, 47.5173 by changing the saturation by 10% instead.


 59.8647, 60.3194,
47.5173

 59.8647, 60.3194,
47.5173


413.9416,
425.7741, 393.3290

 43.5586, 43.6761,
33.0875


 103.7408,
105.2929, 87.8433

 30.5201, 30.4160,
21.9218


132.0416,
134.3918, 114.5767

 20.3837, 20.1545,
13.6017


165.0713,
168.4115, 146.2482

 12.7842, 12.5074,
7.7086

203.1954,
207.7363, 183.2766

 7.3561, 7.0903,
3.8240

246.7791,
252.7505, 226.0804

 3.7341, 3.5186,
1.5293

296.1878,

 1.5528, 1.4081,

303.8386, 275.0780

0.2396

351.7868,
361.3850, 330.6880

■ 0.3613, 0.2227,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.8647, 60.3194,
47.5173

■ 59.8647, 60.3194,
47.5173

■ 55.2488, 54.2962,
36.0865

■ 65.0702, 66.9198,
60.9995

■ 51.1939, 48.8249,
26.6007

■ 70.8830, 74.1056,
76.6245

■ 47.6757, 43.8899,
18.9496

■ 77.3258, 81.8950,
94.4831

■ 44.6661, 39.4719,
13.0103

■ 83.0697, 89.7635,
107.5556

■ 42.1339, 35.5498,
8.6443

■ 85.8050, 95.2340,
108.4673

■ 40.0433, 32.1005,
5.6913

■ 38.3519, 29.0977,
3.9559

■ 37.5654, 27.6347,
3.3541

Harmonies

Analogous

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



63.2015, 60.3194, 52.7556



59.8647, 60.3194, 47.5173



55.9864, 60.3194, 46.8154

Triad

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



59.8647, 60.3194, 47.5173



50.2990, 60.3194, 69.6381



62.3147, 60.3194, 83.3250

Complementary

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



59.8647, 60.3194, 47.5173



51.9030, 56.1437, 81.5002

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.



58.6985, 60.3194, 89.0272



59.8647, 60.3194, 47.5173



51.8372, 60.3194, 80.5540

Square

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



59.8647, 60.3194, 47.5173



50.5796, 60.3194, 58.7841



54.8713, 60.3194, 87.9596



64.6596, 60.3194, 73.0900

Rectangle

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



59.8647, 60.3194, 47.5173



53.6292, 60.3194, 48.9179



54.8713, 60.3194, 87.9596



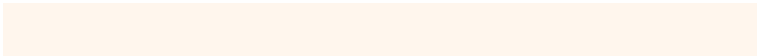
61.2009, 60.3194, 85.8850

Sweetspot

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



59.8663, 60.3221, 47.5186



89.4301, 93.1475, 93.5015



57.3928, 50.2577, 62.4707



19.0420, 19.8148, 19.7433



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.



59.8663, 60.3221, 47.5186



74.3240, 74.0750, 54.1236



66.6743, 73.9381, 49.7879



14.9476, 15.5092, 15.1102



21.8091, 16.1923, 1.9760



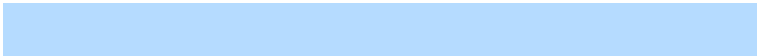
1.7042, 1.3818, 0.1769

Inverse Universe

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



51.9030, 56.1437, 81.5002



62.5379, 67.8900, 104.4157



46.1278, 44.5935, 79.5752



14.1970, 15.1154, 18.3136



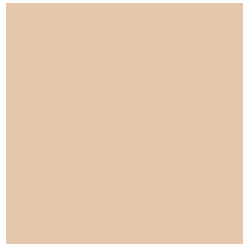
11.9500, 10.9621, 43.8692



0.9760, 0.9959, 3.2728

Previews

White Background



This preview shows how the XYZ color 59.8647, 60.3194, 47.5173 looks on a white background.

Color Contrast Check

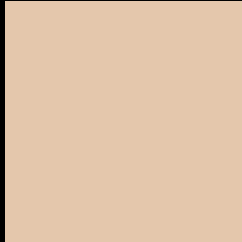
Large Text (above 18pt) WCAG AA × Fail

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 59.8647, 60.3194, 47.5173 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

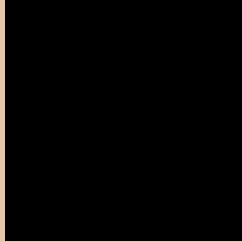
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 59.8647, 60.3194, 47.5173

Background



This preview shows how black text looks on a background with the XYZ color 59.8647, 60.3194, 47.5173.



This preview shows how white text looks on a background with the XYZ color 59.8647, 60.3194,

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

59.8647, 60.3194, 47.5173

Protanopia

57.2572, 60.6888, 48.7407

Deuteranopia

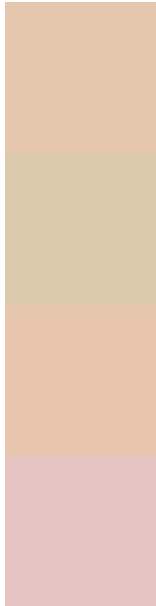
61.5437, 60.1592, 47.9033



Tritanopia

64.0791, 60.3428, 68.5916

Trichromacy



Original Color

59.8647, 60.3194, 47.5173

Protanomaly

58.1786, 60.4738, 48.1414

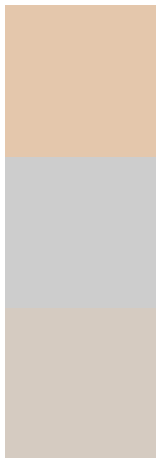
Deuteranomaly

60.7878, 60.1054, 47.9328

Tritanomaly

62.6587, 60.4543, 60.5909

Monochromacy



Original Color

59.8647, 60.3194, 47.5173

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

58.4221, 60.7083, 59.0908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.8647, 60.3194, 47.5173 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(228, 199, 172)` looks like.

```
.text, #text, p{  
    color:rgb(228, 199, 172)  
}
```

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(228, 199, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 199, 172) }
```

Border

The CSS property to change the border of an element to XYZ 59.8647, 60.3194, 47.5173 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(228, 199, 172) }
```


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

```
.border{ border-color:rgb(228, 199, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 199, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 199, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 199, 172);  
box-shadow:4px 4px 4px 4px rgb(228, 199,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 59.8647, 60.3194, 47.5173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 199, 172) }
```

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

```
.background{ background-color: rgb(228,  
199, 172) }
```

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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