

Converting Colors

XYZ(50.9122, 47.1366, 26.5678)

Have a look what the booklet for
XYZ(50.9122, 47.1366, 26.5678)
contains.

XYZ(50.8386, 47.1048, 26.4913)	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(50.8386, 47.1048,
26.4913)**

Conversions

Conversions Part 1

Format	Color
Hex	E6AA7F
RGB	230, 170, 127
RGB Percent	90%, 67%, 50%
CMY	0.0980, 0.3333, 0.5020
CMYK	0.00, 0.26, 0.45, 0.10
HSL	25°, 67%, 70%
HSV	25°, 45%, 90%
XYZ	50.8386, 47.1048, 26.4913
YIQ	183.0380, 49.5630, -0.6530

Conversions

Conversions Part 2

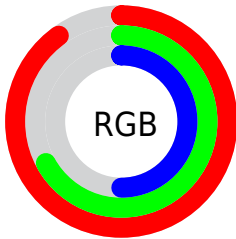
Format	Color
R _{YB}	230, 201, 127
Decimal	15116927
CIE _{Lab}	74.26, 16.83, 30.76
CIE _{LCh}	74, 35.064, 61.309
Yxy	47.1048, 0.4086, 0.3786
Android (android.graphics.Color)	4293307007 (0xFFE6AA7F)
YUV	183.0380, -27.6267, 41.1857
Hunter-Lab	68.6329, 12.1130, 25.1580

Details

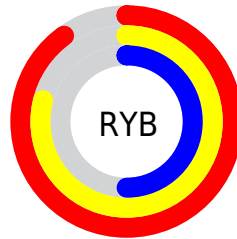
The XYZ color **50.8386, 47.1048, 26.4913** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **40.8048, 45.7638, 81.5453**, and the grayscale version is **45.1594, 47.5112, 51.7397**.

A 20% lighter version of the original color is **76.4034, 78.4057, 54.2869**, and **24.8312, 22.2633, 10.0097** is the 20% darker color. If you saturate the color by 10%, you get **47.1228, 41.8044, 18.6825**, and if you desaturate by 10%, it is **55.1549, 53.0585, 36.1891**.

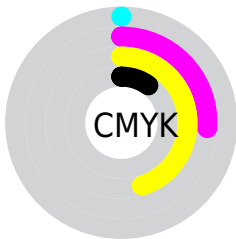
Distribution



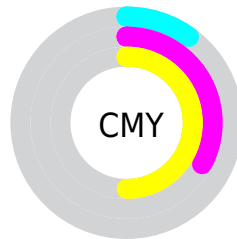
- Red (90%)
- Green (67%)
- Blue (50%)



- Red (90%)
- Yellow (79%)
- Blue (50%)



- Cyan (0%)
- Magenta (26%)
- Yellow (45%)
- Black (10%)




- Cyan (10%)
- Magenta (33%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.8386, 47.1048, 26.4913 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 50.8386, 47.1048, 26.4913 by changing the saturation by 10% instead.


 50.8386, 47.1048,
26.4913


 50.8386, 47.1048,
26.4913


380.3344,
375.2327, 298.8674

 36.3007, 33.1185,
16.9625

 90.6006, 85.8700,
55.0603

 24.8377, 22.2172,
10.0461


 116.5553,
111.4178, 74.9375

 16.0843, 14.0166,
5.3235


 147.0464,
141.5881, 99.1013

 9.6750, 8.1322,
2.3763

182.4392,
176.7655, 127.9702

 5.2446, 4.1797,
0.7735

223.0991,
217.3342, 161.9627

 2.4277, 1.7746,
0.0000

269.3913,

 0.8590, 0.4712,

263.6787, 201.4974

0.0000

321.6813,
316.1834, 246.9928

■ 0.0000, 0.0000,
0.0000

■ 50.8386, 47.1048,
26.4913

■ 50.8386, 47.1048,
26.4913

■ 47.1228, 41.8044,
18.6825

■ 55.1549, 53.0585,
36.1891

■ 43.9727, 37.1259,
12.6333

■ 60.0968, 59.6818,
47.8882

■ 41.3549, 33.0447,
8.2018


■ 65.6922, 66.9989,
61.6951


■ 39.2302, 29.5319,
5.2228


■ 71.9659, 75.0305,
77.7081

■ 37.5518, 26.5544,
3.4942

■ 78.9416, 83.7966,
96.0192

 36.8188, 25.1944,
2.9224

 84.9890, 92.6550,
108.0125

 86.4430, 95.5629,
108.4972

Harmonies

Analogous

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



55.9315, 47.1048, 35.3000



50.8386, 47.1048, 26.4913



44.4957, 47.1048, 23.8498

Triad

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



50.8386, 47.1048, 26.4913



33.7269, 47.1048, 52.0852



51.3617, 47.1048, 86.9786

Complementary

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



50.8386, 47.1048, 26.4913



40.8048, 45.7638, 81.5453

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.



45.0488, 47.1048, 94.3441



50.8386, 47.1048, 26.4913



35.2048, 47.1048, 71.4973

Square

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



50.8386, 47.1048, 26.4913



34.9698, 47.1048, 36.3802



39.2078, 47.1048, 88.1098



56.2528, 47.1048, 69.7991

Rectangle

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



50.8386, 47.1048, 26.4913



40.5150, 47.1048, 25.2953



39.2078, 47.1048, 88.1098



49.3165, 47.1048, 90.8435

Sweetspot

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



50.8398, 47.1071, 26.4922



84.3113, 86.3391, 81.2233



49.2012, 35.5935, 51.3378



17.6876, 18.0170, 16.4829



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.



50.8398, 47.1071, 26.4922



59.7584, 53.1311, 24.0280



62.4304, 70.2884, 30.3558



14.8690, 15.3518, 15.0840



20.9593, 14.4927, 1.6927



1.6388, 1.2510, 0.1551

Inverse Universe

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



40.8048, 45.7638, 81.5453



45.5079, 51.1855, 102.0890



31.7813, 27.7169, 78.5375



14.2767, 15.2749, 18.3402



13.0336, 13.1293, 44.2304



1.0544, 1.1528, 3.2989

Previews

White Background



This preview shows how the XYZ color 50.8386, 47.1048, 26.4913 looks on a white background.

Color Contrast Check

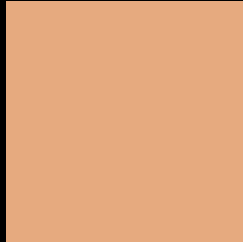
Large Text (above 18pt) WCAG AA × Fail

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 50.8386, 47.1048, 26.4913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

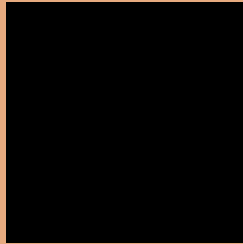
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.8386, 47.1048, 26.4913

Background



This preview shows how black text looks on a background with the XYZ color 50.8386, 47.1048, 26.4913.



This preview shows how white text looks on a background with the XYZ color 50.8386, 47.1048,

26.4913.

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

50.8386, 47.1048, 26.4913

Protanopia

44.1243, 47.4032, 28.6539

Deuteranopia

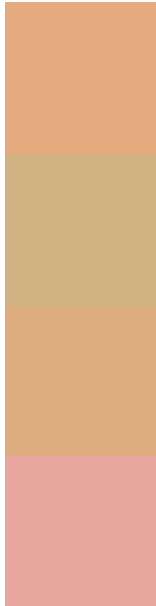
48.0093, 47.0717, 26.2941



Tritanopia

55.0436, 47.1779, 47.2794

Trichromacy



Original Color

50.8386, 47.1048, 26.4913

Protanomaly

46.2442, 47.0078, 27.7552

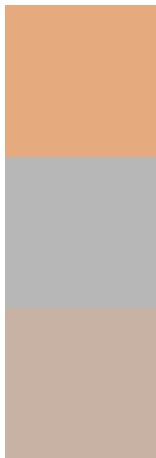
Deuteranomaly

48.8337, 46.9231, 26.2219

Tritanomaly

53.4120, 47.0647, 38.6170

Monochromacy



Original Color

50.8386, 47.1048, 26.4913

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.3507, 46.7645, 41.2338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.8386, 47.1048, 26.4913 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(230, 170, 127)` looks like.

```
.text, #text, p{  
    color:rgb(230, 170, 127)  
}
```

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(230, 170, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 170, 127) }
```

Border

The CSS property to change the border of an element to XYZ 50.8386, 47.1048, 26.4913 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(230, 170, 127) }
```


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

```
.border{ border-color:rgb(230, 170, 127) }
```

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

Here you see how a box with a 4 pixel rgb(230, 170, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 170, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 170, 127);  
box-shadow:4px 4px 4px 4px rgb(230, 170,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 50.8386, 47.1048, 26.4913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 170, 127) }
```

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

```
.background{ background-color: rgb(230,  
170, 127) }
```

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