

Converting Colors

XYZ(47.7517, 62.5055, 32.1031)

Have a look what the booklet for
XYZ(47.7517, 62.5055, 32.1031)
contains.

XYZ(47.8387, 62.5481, 32.1059)	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(47.8387, 62.5481,
32.1059)**

Conversions

Conversions Part 1

Format	Color
Hex	AFDD86
RGB	175, 221, 134
RGB Percent	69%, 87%, 53%
CMY	0.3137, 0.1333, 0.4745
CMYK	0.21, 0.00, 0.39, 0.13
HSL	92°, 56%, 70%
HSV	92°, 39%, 87%
XYZ	47.8387, 62.5481, 32.1059
YIQ	197.3280, 0.5110, -36.8090

Conversions

Conversions Part 2

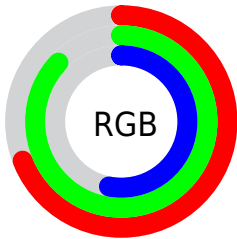
Format	Color
RYB	134, 221, 180
Decimal	11525510
CIELab	83.20, -29.88, 37.92
CIELCh	83, 48.279, 128.233
Yxy	62.5481, 0.3357, 0.4390
Android (android.graphics.Color)	4289715590 (0xFFAFDD86)
YUV	197.3280, -31.2207, -19.5817
Hunter-Lab	79.0874, -30.4310, 31.2921

Details

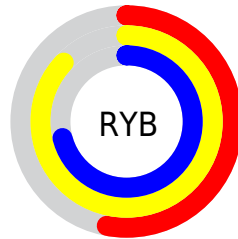
The XYZ color **47.8387, 62.5481, 32.1059** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **40.4014, 31.9758, 72.4527**, and the grayscale version is **53.4533, 56.2370, 61.2421**.

A 20% lighter version of the original color is **78.1158, 92.3066, 61.2768**, and **23.0827, 31.9619, 13.1363** is the 20% darker color. If you saturate the color by 10%, you get **43.9456, 60.7029, 24.7013**, and if you desaturate by 10%, it is **52.2841, 64.6446, 41.2202**.

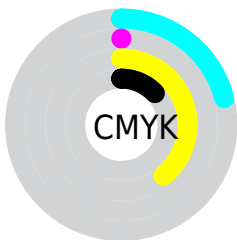
Distribution



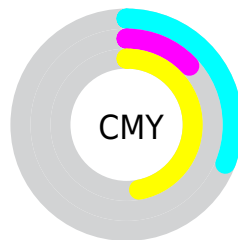
- Red (69%)
- Green (87%)
- Blue (53%)



- Red (53%)
- Yellow (87%)
- Blue (71%)



- Cyan (21%)
- Magenta (0%)
- Yellow (39%)
- Black (13%)



- Cyan (31%)
- Magenta (13%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8387, 62.5481, 32.1059 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 47.8387, 62.5481, 32.1059 by changing the saturation by 10% instead.

47.8387, 62.5481,
32.1059

47.8387, 62.5481,
32.1059

368.7457,
433.9276, 326.1090

33.9099, 45.4757,
21.1769

86.1753, 108.5173,
64.0769

22.9869, 31.8323,
13.0609

111.3139,
138.1829, 85.9560

14.7045, 21.2334,
7.3393

140.9197,
172.8150, 112.3222

8.6972, 13.2947,
3.5935

175.3582,
212.7981, 143.5941

4.5997, 7.6318,
1.4051

214.9947,
258.5165, 180.1902

2.0467, 3.8603,
0.1457

260.1945,

0.6600, 1.5957,

310.3546, 222.5290

0.0000

311.3230,
368.6969, 271.0291

■ 0.0000, 0.3547,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.8387, 62.5481,
32.1059

■ 47.8387, 62.5481,
32.1059

■ 43.9456, 60.7029,
24.7013

■ 52.2841, 64.6446,
41.2202

■ 40.5741, 59.0899,
18.8956


■ 57.3012, 66.9945,
52.1379


■ 37.6974, 57.6996,
14.5714


■ 62.9138, 69.6102,
64.9503


■ 35.2836, 56.5187,
11.5932


■ 69.1431, 72.5006,
79.7416


 33.2958, 55.5316,
9.8009

 76.0090, 75.6742,
96.5910

 31.6774, 54.7148,
8.9316

 81.6050, 78.3692,
105.4335

 31.5833, 54.6672,
8.8872

 85.1478, 80.1955,
105.5993

Harmonies

Analogous

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



56.6129, 62.5481, 25.4882



47.8387, 62.5481, 32.1059



42.6415, 62.5481, 48.8788

Triad

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



47.8387, 62.5481, 32.1059



52.2910, 62.5481, 136.9289



81.6892, 62.5481, 60.1752

Complementary

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



47.8387, 62.5481, 32.1059



40.4014, 31.9758, 72.4527

Split Complementary

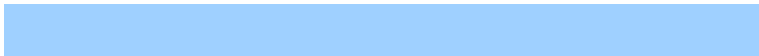
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.1805, 62.5481, 91.8068



47.8387, 62.5481, 32.1059



62.3806, 62.5481, 142.6091

Square

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



47.8387, 62.5481, 32.1059



44.9940, 62.5481, 110.3915



72.8030, 62.5481, 124.1902



76.7118, 62.5481, 38.2858

Rectangle

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



47.8387, 62.5481, 32.1059



41.5089, 62.5481, 66.3415



72.8030, 62.5481, 124.1902



81.9341, 62.5481, 69.8980

Sweetspot

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



47.8403, 62.5508, 32.1073



84.8045, 95.2429, 84.7198



50.2344, 49.3159, 29.4265



17.9291, 20.2823, 17.6220



0.0000, 0.0000, 0.0000



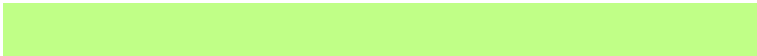
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.8403, 62.5508, 32.1073



61.7874, 84.4312, 36.0174



40.0948, 58.5461, 32.2764



13.4671, 14.9055, 13.8928



18.4749, 31.8217, 5.1685



1.2959, 2.1126, 0.3395

Inverse Universe

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



40.4014, 31.9758, 72.4527



50.1619, 36.6669, 99.0413



51.2052, 37.5676, 71.9540



12.9927, 12.9543, 16.4678



11.9643, 5.2920, 40.1293



0.8743, 0.3940, 2.6044

Previews

White Background



This preview shows how the XYZ color 47.8387, 62.5481, 32.1059 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 47.8387, 62.5481, 32.1059 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 47.8387, 62.5481, 32.1059

Background



This preview shows how black text looks on a background with the XYZ color 47.8387, 62.5481, 32.1059.



This preview shows how white text looks on a background with the XYZ color 47.8387, 62.5481,

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

47.8387, 62.5481, 32.1059

Protanopia

57.2604, 62.1917, 29.4083

Deuteranopia

63.2121, 62.0264, 33.0668



Tritanopia

57.8980, 62.4581, 81.6771

Trichromacy



Original Color

47.8387, 62.5481, 32.1059

Protanomaly

53.3049, 61.9641, 30.2699

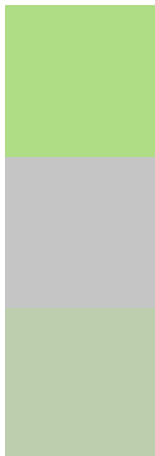
Deuteranomaly

56.4055, 61.3209, 32.5301

Tritanomaly

53.4394, 62.1337, 59.6285

Monochromacy



Original Color

47.8387, 62.5481, 32.1059

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

50.6976, 58.0174, 48.5708

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8387, 62.5481, 32.1059 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(175, 221, 134)` looks like.

```
.text, #text, p{  
    color:rgb(175, 221, 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(175, 221, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 221, 134) }
```

Border

The CSS property to change the border of an element to XYZ 47.8387, 62.5481, 32.1059 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(175, 221, 134) }
```


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

```
.border{ border-color:rgb(175, 221, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 221, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 221, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 221, 134);  
box-shadow:4px 4px 4px 4px rgb(175, 221,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8387, 62.5481, 32.1059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 221, 134) }
```

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

```
.background{ background-color: rgb(175,  
221, 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](#).

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