

Converting Colors

XYZ(47.9888, 60.5190, 50.4365)

Have a look what the booklet for
XYZ(47.9888, 60.5190, 50.4365)
contains.

XYZ(47.9592, 60.6528, 50.2537)	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(47.9592, 60.6528,
50.2537)**

Conversions

Conversions Part 1

Format	Color
Hex	A4D9B0
RGB	164, 217, 176
RGB Percent	64%, 85%, 69%
CMY	0.3569, 0.1490, 0.3098
CMYK	0.24, 0.00, 0.19, 0.15
HSL	134°, 41%, 75%
HSV	134°, 24%, 85%
XYZ	47.9592, 60.6528, 50.2537
YIQ	196.4790, -18.4270, -23.9870

Conversions

Conversions Part 2

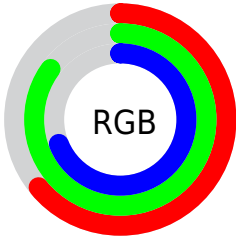
Format	Color
RYB	164, 207, 217
Decimal	10803632
CIELab	82.19, -25.18, 14.74
CIELCh	82, 29.175, 149.665
Yxy	60.6528, 0.3019, 0.3818
Android (android.graphics.Color)	4288993712 (0xFFA4D9B0)
YUV	196.4790, -10.0961, -28.4841
Hunter-Lab	77.8799, -26.3678, 16.2578

Details

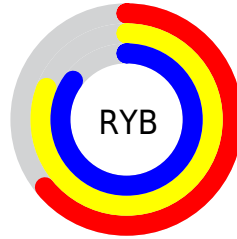
The XYZ color **47.9592, 60.6528, 50.2537** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **52.9123, 45.7119, 63.7949**, and the grayscale version is **52.8251, 55.5761, 60.5224**.

A 20% lighter version of the original color is **79.8407, 92.5618, 90.0021**, and **23.0510, 30.6502, 23.4401** is the 20% darker color. If you saturate the color by 10%, you get **42.2977, 57.9161, 41.8481**, and if you desaturate by 10%, it is **54.5935, 63.8707, 59.7797**.

Distribution



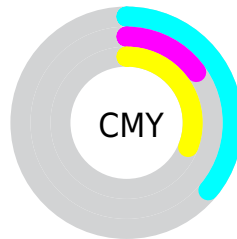
- Red (64%)
- Green (85%)
- Blue (69%)



- Red (64%)
- Yellow (81%)
- Blue (85%)



- Cyan (24%)
- Magenta (0%)
- Yellow (19%)
- Black (15%)





- Cyan (36%)
- Magenta (15%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.9592, 60.6528, 50.2537 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 47.9592, 60.6528, 50.2537 by changing the saturation by 10% instead.


 47.9592, 60.6528,
50.2537


 47.9592, 60.6528,
50.2537


369.2157,
426.9998, 404.4207

 34.0057, 43.9450,
35.2424


 86.3537, 105.7761,
91.9508

 23.0609, 30.6273,
23.5646


 111.5254,
134.9603, 119.4738

 14.7594, 20.3152,
14.8018


141.1673,
169.0722, 152.0043

 8.7359, 12.6244,
8.5353

175.6446,
208.4961, 189.9611

 4.6251, 7.1704,
4.3467

215.3227,
253.6164, 233.7626

 2.0615, 3.5689,
1.8174

260.5670,

 0.6681, 1.4355,

304.8176, 283.8273

0.4394

311.7429,
362.4839, 340.5738

■ 0.0000, 0.2426,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.9592, 60.6528,
50.2537

■ 47.9592, 60.6528,
50.2537

■ 42.2977, 57.9161,
41.8481

■ 54.5935, 63.8707,
59.7797

■ 37.5579, 55.6300,
34.5178

■ 62.2389, 67.5835,
70.4611

■ 33.6914, 53.7721,
28.2203

■ 70.9374, 71.8139,
82.3362

■ 30.6431, 52.3151,
22.9091

■ 80.7274, 76.5810,
95.4406

■ 28.3517, 51.2282,
18.5339

■ 84.1040, 78.1080,
105.2513

■ 26.7466, 50.4765,
15.0398

■ 25.7433, 50.0174,
12.3662

■ 25.3711, 49.8509,
11.2052

Harmonies

Analogous

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



51.9473, 60.6528, 40.5934



47.9592, 60.6528, 50.2537



46.5300, 60.6528, 65.8410

Triad

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



47.9592, 60.6528, 50.2537



57.5789, 60.6528, 106.4049



68.6408, 60.6528, 50.5427

Complementary

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



47.9592, 60.6528, 50.2537



52.9123, 45.7119, 63.7949

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.



70.4109, 60.6528, 66.2406



47.9592, 60.6528, 50.2537



63.7526, 60.6528, 100.3732

Square

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



47.9592, 60.6528, 50.2537



51.8347, 60.6528, 100.1094



68.5625, 60.6528, 84.8293



63.8819, 60.6528, 40.7380

Rectangle

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



47.9592, 60.6528, 50.2537



47.1352, 60.6528, 78.2095



68.5625, 60.6528, 84.8293



69.6197, 60.6528, 55.2043

Sweetspot

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



47.9608, 60.6554, 50.2550



86.6409, 95.9127, 97.3155



56.8357, 65.3617, 44.7433



18.3971, 20.4575, 20.6243



0.0000, 0.0000, 0.0000



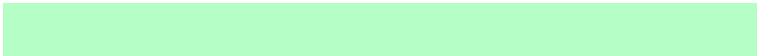
20.3446, 21.4041, 23.3091

Same Dimension

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



47.9608, 60.6554, 50.2550



64.9969, 85.4175, 66.3623



50.7833, 61.7843, 65.1180



13.0067, 14.6543, 14.4980



15.3909, 30.1890, 6.9579



1.0300, 1.9690, 0.6242

Inverse Universe

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



52.9123, 45.7119, 63.7949



73.2445, 60.5163, 88.9077



50.0310, 44.5594, 48.6219



13.4817, 13.2218, 15.7977



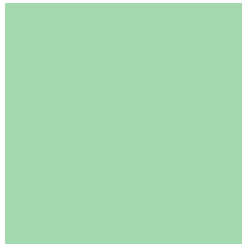
21.6351, 10.6551, 23.5224



1.4332, 0.7029, 1.6901

Previews

White Background



This preview shows how the XYZ color 47.9592, 60.6528, 50.2537 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 47.9592, 60.6528, 50.2537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

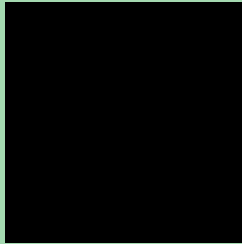
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.9592, 60.6528, 50.2537

Background



This preview shows how black text looks on a background with the XYZ color 47.9592, 60.6528, 50.2537.



This preview shows how white text looks on a background with the XYZ color 47.9592, 60.6528, 50.2537.

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

47.9592, 60.6528, 50.2537

Protanopia

56.5417, 60.0235, 46.1417

Deuteranopia

61.2569, 59.9309, 51.5193



Tritanopia

54.1453, 60.5235, 81.5015

Trichromacy



Original Color

47.9592, 60.6528, 50.2537

Protanomaly

52.7672, 59.8261, 47.7962

Deuteranomaly

55.4617, 59.7058, 51.2491

Tritanomaly

51.7570, 60.6886, 68.6607

Monochromacy



Original Color

47.9592, 60.6528, 50.2537

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

50.5453, 57.0502, 56.4919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9592, 60.6528, 50.2537 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(164, 217, 176)` looks like.

```
.text, #text, p{  
    color:rgb(164, 217, 176)  
}
```

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(164, 217, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 217, 176) }
```

Border

The CSS property to change the border of an element to XYZ 47.9592, 60.6528, 50.2537 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(164, 217, 176) }
```


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

```
.border{ border-color:rgb(164, 217, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 217, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 217, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 217, 176);  
box-shadow:4px 4px 4px 4px rgb(164, 217,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9592, 60.6528, 50.2537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 217, 176) }
```

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

```
.background{ background-color: rgb(164,  
217, 176) }
```

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