

Converting Colors

XYZ(49.4587, 69.9429, 53.3247)

Have a look what the booklet for
XYZ(49.4587, 69.9429, 53.3247)
contains.

XYZ(49.5264, 69.9792, 53.5448)	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(49.5264, 69.9792,
53.5448)**

Conversions

Conversions Part 1

Format	Color
Hex	8CEE B3
RGB	140, 238, 179
RGB Percent	55%, 93%, 70%
CMY	0.4510, 0.0666, 0.2980
CMYK	0.41, 0.00, 0.25, 0.07
HSL	144°, 74%, 74%
HSV	144°, 41%, 93%
XYZ	49.5264, 69.9792, 53.5448
YIQ	201.9720, -39.4690, -39.1250

Conversions

Conversions Part 2

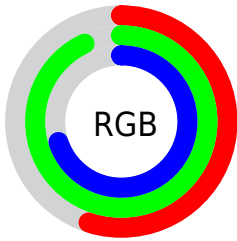
Format	Color
RYB	140, 210, 238
Decimal	9236147
CIELab	86.99, -41.56, 19.70
CIELCh	87, 45.992, 154.639
Yxy	69.9792, 0.2862, 0.4044
Android (android.graphics.Color)	4287426227 (0xFF8CEE B3)
YUV	201.9720, -11.3252, -54.3494
Hunter-Lab	83.6536, -40.7143, 20.6073

Details

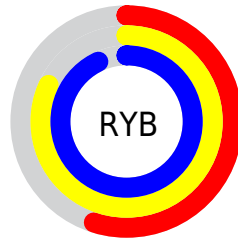
The XYZ color **49.5264, 69.9792, 53.5448** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.9491, 41.0583, 59.0644**, and the grayscale version is **56.2091, 59.1363, 64.3995**.

A 20% lighter version of the original color is **73.7814, 89.3885, 91.9623**, and **23.9459, 36.4389, 25.5100** is the 20% darker color. If you saturate the color by 10%, you get **44.5669, 67.5833, 46.1374**, and if you desaturate by 10%, it is **55.5075, 72.8883, 61.7892**.

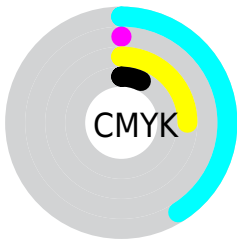
Distribution



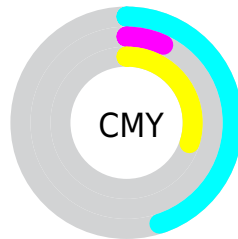
- Red (55%)
- Green (93%)
- Blue (70%)



- Red (55%)
- Yellow (82%)
- Blue (93%)



- Cyan (41%)
- Magenta (0%)
- Yellow (25%)
- Black (7%)





- Cyan (45%)
- Magenta (7%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.5264, 69.9792, 53.5448 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 49.5264, 69.9792, 53.5448 by changing the saturation by 10% instead.


 49.5264, 69.9792,
53.5448


 49.5264, 69.9792,
53.5448


375.2937,
460.4770, 417.4972

 35.2535, 51.5096,
37.8472


 88.6688, 119.1791,
96.8552

 24.0256, 36.6143,
25.5632


 114.2690,
150.6782, 125.3051

 15.4775, 24.9090,
16.2743


144.3757,
187.2891, 158.8427

 9.2437, 16.0093,
9.5620

179.3542,
229.3965, 197.8868

 4.9588, 9.5307,
5.0078

219.5699,
277.3845, 242.8557

 2.2576, 5.0889,
2.1930

265.3881,

 0.7729, 2.2995,

331.6377, 294.1680

0.6703

317.1743,
392.5404, 352.2424

■ 0.0000, 0.7735,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.5264, 69.9792,
53.5448

■ 49.5264, 69.9792,
53.5448

■ 44.5669, 67.5833,
46.1374

■ 55.5075, 72.8883,
61.7892

■ 40.5624, 65.6608,
39.5355


■ 62.5605, 76.3300,
70.8914

■ 37.4468, 64.1804,
33.7125


■ 70.7388, 80.3336,
80.8772

■ 35.1427, 63.1024,
28.6382

■ 80.0907, 84.9232,
91.7701

 33.5578, 62.3802,
24.2804

 89.1729, 89.3545,
103.5228

 32.6284, 61.9728,
21.0007

 89.8659, 89.6317,
107.1720

Harmonies

Analogous

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



55.4408, 69.9792, 37.1259



49.5264, 69.9792, 53.5448



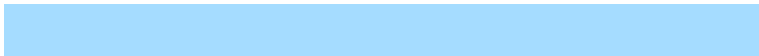
47.9620, 69.9792, 81.0845

Triad

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



49.5264, 69.9792, 53.5448



68.1990, 69.9792, 151.7554



85.0135, 69.9792, 47.2535

Complementary

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



49.5264, 69.9792, 53.5448



54.9491, 41.0583, 59.0644

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.



89.3201, 69.9792, 71.5069



49.5264, 69.9792, 53.5448



78.9695, 69.9792, 136.0271

Square

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



49.5264, 69.9792, 53.5448



58.0452, 69.9792, 143.1958



86.9977, 69.9792, 104.4732



75.7669, 69.9792, 34.2394

Rectangle

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



49.5264, 69.9792, 53.5448



49.4359, 69.9792, 103.6399



86.9977, 69.9792, 104.4732



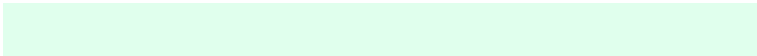
87.1296, 69.9792, 54.0817

Sweetspot

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



49.5283, 69.9821, 53.5464



81.8490, 93.5210, 93.5348



59.2459, 75.3848, 36.2398



17.2375, 19.8794, 19.6823



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.



49.5283, 69.9821, 53.5464



53.1888, 79.5559, 55.6118



55.1973, 72.2497, 83.3993



15.8265, 17.7606, 18.1091



18.2622, 34.5969, 12.0298



1.5670, 2.8972, 1.2522

Inverse Universe

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



54.9491, 41.0583, 59.0644



60.2821, 41.6597, 62.7964



50.2611, 39.1832, 34.3780



16.1724, 15.9187, 18.4642



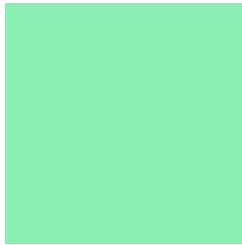
22.5152, 11.2785, 15.8957



1.9220, 0.9578, 1.5800

Previews

White Background



This preview shows how the XYZ color 49.5264, 69.9792, 53.5448 looks on a white background.

Color Contrast Check

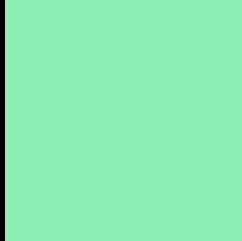
Large Text (above 18pt) WCAG AA × Fail

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 49.5264, 69.9792, 53.5448 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 49.5264, 69.9792, 53.5448

Background



This preview shows how black text looks on a background with the XYZ color 49.5264, 69.9792, 53.5448.



This preview shows how white text looks on a background with the XYZ color 49.5264, 69.9792,

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

49.5264, 69.9792, 53.5448

Protanopia

64.6723, 68.9652, 47.4391

Deuteranopia

70.3798, 68.7543, 55.4604



Tritanopia

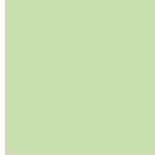
58.5181, 69.8219, 98.3884

Trichromacy



Original Color

49.5264, 69.9792, 53.5448



Protanomaly

57.4872, 68.3342, 49.6951



Deuteranomaly

60.1733, 67.6372, 54.6836



Tritanomaly

54.6191, 69.4712, 79.6378

Monochromacy



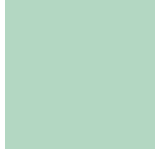
Original Color

49.5264, 69.9792, 53.5448



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

52.6284, 62.0796, 60.2477

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.5264, 69.9792, 53.5448 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(140, 238, 179)` looks like.

```
.text, #text, p{  
    color:rgb(140, 238, 179)  
}
```

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(140, 238, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 238, 179) }
```

Border

The CSS property to change the border of an element to XYZ 49.5264, 69.9792, 53.5448 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(140, 238, 179) }
```


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

```
.border{ border-color:rgb(140, 238, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 238, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 238, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 238, 179);  
box-shadow:4px 4px 4px 4px rgb(140, 238,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 49.5264, 69.9792, 53.5448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 238, 179) }
```

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

```
.background{ background-color: rgb(140,  
238, 179) }
```

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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