

Converting Colors

XYZ(42.8463, 49.4381, 66.0277)

Have a look what the booklet for
XYZ(42.8463, 49.4381, 66.0277)
contains.

XYZ(42.9487, 49.4781, 66.3181)	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(42.9487, 49.4781,
66.3181)**

Conversions

Conversions Part 1

Format	Color
Hex	95C2CF
RGB	149, 194, 207
RGB Percent	58%, 76%, 81%
CMY	0.4157, 0.2392, 0.1882
CMYK	0.28, 0.06, 0.00, 0.19
HSL	193°, 38%, 70%
HSV	193°, 28%, 81%
XYZ	42.9487, 49.4781, 66.3181
YIQ	182.0270, -30.9930, -5.4970

Conversions

Conversions Part 2

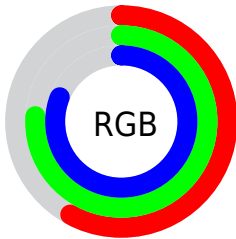
Format	Color
R _Y B	149, 174, 207
Decimal	9814735
CIE Lab	75.75, -11.78, -11.35
CIE LCh	76, 16.357, 223.926
Yxy	49.4781, 0.2706, 0.3117
Android (android.graphics.Color)	4288004815 (0xFF95C2CF)
YUV	182.0270, 12.3117, -28.9647
Hunter-Lab	70.3407, -14.1074, -6.6609

Details

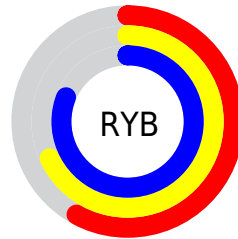
The XYZ color **42.9487, 49.4781, 66.3181** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.0780, 41.2764, 34.0789**, and the grayscale version is **44.4265, 46.7401, 50.9000**.

A 20% lighter version of the original color is **77.4490, 89.0517, 107.7144**, and **19.9517, 23.5429, 33.6297** is the 20% darker color. If you saturate the color by 10%, you get **38.4865, 45.6701, 65.8191**, and if you desaturate by 10%, it is **48.1173, 53.7006, 66.8615**.

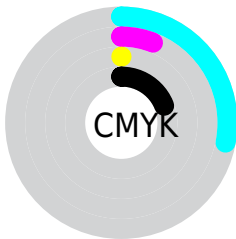
Distribution



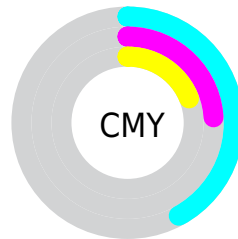
- Red (58%)
- Green (76%)
- Blue (81%)



- Red (58%)
- Yellow (68%)
- Blue (81%)



- Cyan (28%)
- Magenta (6%)
- Yellow (0%)
- Black (19%)



- Cyan (42%)
- Magenta (24%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.9487, 49.4781, 66.3181 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 42.9487, 49.4781, 66.3181 by changing the saturation by 10% instead.

■ 42.9487, 49.4781,
66.3181

■ 42.9487, 49.4781,
66.3181

349.3258,
384.6215, 465.9489

■ 30.0392, 34.9989,
48.0726

■ 78.8896, 89.4011,
115.5741

■ 20.0166, 23.6620,
33.5240

■ 102.6518,
115.6137, 147.4217

■ 12.5154, 15.0831,
22.2537

130.7622,
146.5062, 184.6403

■ 7.1704, 8.8777,
13.8434

163.5863,
182.4631, 227.6486

■ 3.6162, 4.6615,
7.8743

201.4893,
223.8686, 276.8651

■ 1.4874, 2.0501,
3.9280

244.8367,

■ 0.3172, 0.6363,

271.1073, 332.7083

1.5859

293.9937,
324.5634, 395.5967

■ 0.0000, 0.0000,
0.2807

■ 0.0000, 0.0000,
0.0000

■ 42.9487, 49.4781,
66.3181

■ 42.9487, 49.4781,
66.3181

■ 38.4865, 45.6701,
65.8191

■ 48.1173, 53.7006,
66.8615

■ 34.6904, 42.2516,
65.3593

■ 54.0212, 58.3492,
67.4476

■ 31.5228, 39.2042,
64.9381

■ 60.6927, 63.4422,
68.0791

■ 28.9403, 36.5049,
64.5532

■ 68.1612, 68.9952,
68.7573

■ 26.8939, 34.1280,
64.2023

■ 76.4542, 75.0227,
69.4836

■ 25.3258, 32.0434,
63.8825

■ 78.5808, 77.9213,
69.9310

■ 24.1518, 30.2072,
63.5900

■ 79.8288, 80.4173,
70.3470

■ 23.9397, 29.8593,
63.5340

■ 81.1109, 82.9815,
70.7744

■ 82.4274, 85.6146,
71.2132

Harmonies

Analogous

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



41.5881, 49.4781, 57.9962



42.9487, 49.4781, 66.3181



45.4303, 49.4781, 71.5799

Triad

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



42.9487, 49.4781, 66.3181



52.8603, 49.4781, 58.6340



45.6370, 49.4781, 39.2263

Complementary

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



42.9487, 49.4781, 66.3181



44.0780, 41.2764, 34.0789

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.



48.6616, 49.4781, 39.3577



42.9487, 49.4781, 66.3181



52.9215, 49.4781, 49.9505

Square

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



42.9487, 49.4781, 66.3181



51.1928, 49.4781, 66.8281



51.3566, 49.4781, 43.0916



43.0944, 49.4781, 42.7111

Rectangle

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



42.9487, 49.4781, 66.3181



47.4281, 49.4781, 72.3246



51.3566, 49.4781, 43.0916



46.6290, 49.4781, 38.8616

Sweetspot

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



42.9502, 49.4801, 66.3192



86.4979, 93.4519, 108.0868



41.1914, 53.6095, 42.1586



18.1893, 19.7502, 23.1034



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.



42.9502, 49.4801, 66.3192



64.1343, 75.3215, 105.7660



37.1914, 37.9626, 64.3997



11.9243, 12.9389, 15.1126



15.1563, 18.9593, 40.0532



0.9041, 1.1733, 2.2584

Inverse Universe

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



46.2184, 38.6566, 56.0666



70.3760, 55.4073, 86.0154



49.6944, 52.5092, 35.9511



12.1927, 11.9618, 14.2905



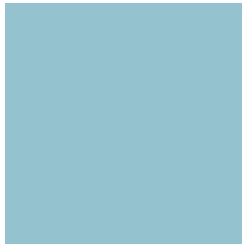
20.2809, 9.9852, 22.1834



1.1626, 0.5697, 1.3909

Previews

White Background



This preview shows how the XYZ color 42.9487, 49.4781, 66.3181 looks on a white background.

Color Contrast Check

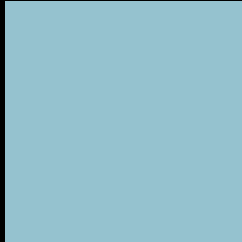
Large Text (above 18pt) WCAG AA × Fail

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 42.9487, 49.4781, 66.3181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

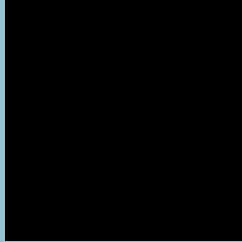
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.9487, 49.4781, 66.3181

Background



This preview shows how black text looks on a background with the XYZ color 42.9487, 49.4781, 66.3181.



This preview shows how white text looks on a background with the XYZ color 42.9487, 49.4781,

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

42.9487, 49.4781, 66.3181

Protanopia

47.8992, 49.2293, 62.2360

Deuteranopia

50.1491, 49.0383, 67.7950



Tritanopia

43.1948, 49.5766, 67.6142

Trichromacy



Original Color

42.9487, 49.4781, 66.3181

Protanomaly

45.7760, 49.0489, 63.5546

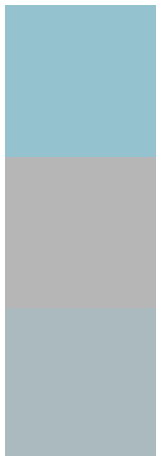
Deuteranomaly

47.1990, 49.0684, 67.3051

Tritanomaly

43.0714, 49.5272, 66.9641

Monochromacy



Original Color

42.9487, 49.4781, 66.3181

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.5404, 47.4254, 56.1494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9487, 49.4781, 66.3181 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(149, 194, 207)` looks like.

```
.text, #text, p{  
    color:rgb(149, 194, 207)  
}
```

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(149, 194, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 194, 207) }
```

Border

The CSS property to change the border of an element to XYZ 42.9487, 49.4781, 66.3181 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(149, 194, 207) }
```


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

```
.border{ border-color:rgb(149, 194, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 194, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 194, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 194, 207);  
box-shadow:4px 4px 4px 4px rgb(149, 194,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9487, 49.4781, 66.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 194, 207) }
```

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

```
.background{ background-color: rgb(149,  
194, 207) }
```

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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