

Converting Colors

XYZ(48.1731, 66.9905, 49.3495)

Have a look what the booklet for
XYZ(48.1731, 66.9905, 49.3495)
contains.

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Color

**XYZ(47.9801, 66.7115,
49.3775)**

Conversions

Conversions Part 1

Format	Color
Hex	91E8AC
RGB	145, 232, 172
RGB Percent	57%, 91%, 67%
CMY	0.4314, 0.0902, 0.3255
CMYK	0.38, 0.00, 0.26, 0.09
HSL	139°, 65%, 74%
HSV	139°, 38%, 91%
XYZ	47.9801, 66.7115, 49.3775
YIQ	199.1470, -32.5920, -37.1040

Conversions

Conversions Part 2

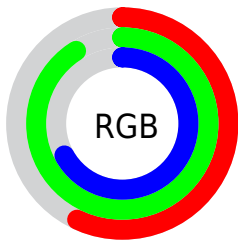
Format	Color
RYB	145, 211, 232
Decimal	9562284
CIELab	85.36, -38.77, 21.10
CIElCh	85, 44.140, 151.446
Yxy	66.7115, 0.2924, 0.4066
Android (android.graphics.Color)	4287752364 (0xFF91E8AC)
YUV	199.1470, -13.3835, -47.4869
Hunter-Lab	81.6771, -38.0776, 21.3305

Details

The XYZ color **47.9801, 66.7115, 49.3775** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **54.4258, 41.8160, 62.9631**, and the grayscale version is **54.4712, 57.3079, 62.4083**.

A 20% lighter version of the original color is **73.8510, 89.5389, 86.7892**, and **23.0716, 34.5562, 22.9068** is the 20% darker color. If you saturate the color by 10%, you get **42.8567, 64.2392, 41.5938**, and if you desaturate by 10%, it is **54.1268, 69.6937, 58.1779**.

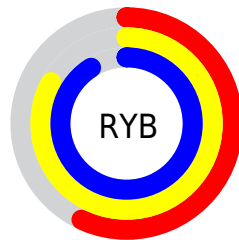
Distribution



Red (57%)

Green (91%)

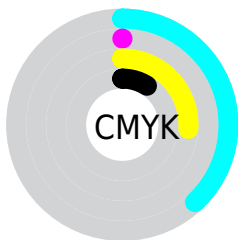
Blue (67%)



Red (57%)

Yellow (83%)

Blue (91%)

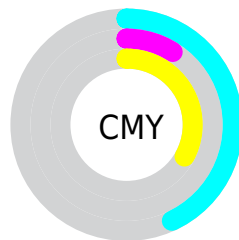


Cyan (38%)

Magenta (0%)

Yellow (26%)

Black (9%)



Cyan (43%)


Magenta (9%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9801, 66.7115, 49.3775 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 47.9801, 66.7115, 49.3775 by changing the saturation by 10% instead.


 47.9801, 66.7115,
49.3775


 47.9801, 66.7115,
49.3775


369.2971,
448.9172, 400.8917

 34.0223, 48.8502,
34.5513


 86.3846, 114.5069,
90.6387

 23.0737, 34.5007,
23.0367


 111.5621,
145.2098, 117.9107

 14.7689, 23.2785,
14.4150


141.2102,
180.9621, 150.1685

 8.7426, 14.7993,
8.2679

175.6942,
222.1481, 187.8304

 4.6295, 8.6786,
4.1766

215.3796,
269.1522, 231.3152

 2.0640, 4.5322,
1.7227

260.6316,

 0.6696, 1.9755,

322.3588, 281.0413

0.3762

311.8157,
382.1523, 337.4273

■ 0.0000, 0.5932,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.9801, 66.7115,
49.3775

■ 47.9801, 66.7115,
49.3775

■ 42.8567, 64.2392,
41.5938

■ 54.1268, 69.6937,
58.1779

■ 38.6937, 62.2394,
34.7854

■ 61.3447, 73.2042,
68.0253

■ 35.4291, 60.6830,
28.9147

■ 69.6846, 77.2703,
78.9545

■ 32.9911, 59.5338,
23.9397

■ 79.1928, 81.9153,
90.9973

■ 31.2963, 58.7496,
19.8154

■ 87.6693, 86.0043,
104.0791

■ 30.2349, 58.2749,
16.4919

■ 88.1478, 86.1957,
106.5993

■ 30.0275, 58.1836,
15.7787

Harmonies

Analogous

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



53.9002, 66.7115, 35.0725



47.9801, 66.7115, 49.3775



46.0700, 66.7115, 74.0355

Triad

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



47.9801, 66.7115, 49.3775



63.8936, 66.7115, 142.7229



81.2570, 66.7115, 47.5405

Complementary

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



47.9801, 66.7115, 49.3775



54.4258, 41.8160, 62.9631

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.



84.6254, 66.7115, 71.2571



47.9801, 66.7115, 49.3775



73.9713, 66.7115, 130.4392

Square

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



47.9801, 66.7115, 49.3775



54.6576, 66.7115, 132.5024



81.8306, 66.7115, 102.2498



73.0441, 66.7115, 34.2244

Rectangle

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



47.9801, 66.7115, 49.3775



47.1488, 66.7115, 94.6775



81.8306, 66.7115, 102.2498



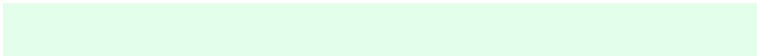
83.0299, 66.7115, 54.3145

Sweetspot

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



47.9819, 66.7143, 49.3790



82.5130, 93.8789, 92.8658



59.3957, 72.8681, 37.7234



17.3566, 19.9454, 19.4791



0.0000, 0.0000, 0.0000



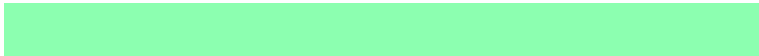
20.3446, 21.4041, 23.3091

Same Dimension

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



47.9819, 66.7143, 49.3790



54.4401, 80.2463, 53.6221



52.7502, 68.6216, 74.4885



14.3726, 16.1625, 16.2269



16.7192, 32.3198, 9.0214



1.2761, 2.4045, 0.8803

Inverse Universe

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



54.4258, 41.8160, 62.9631



63.4921, 45.2243, 72.6693



49.9633, 40.0310, 39.4637



14.7947, 14.5351, 17.1193



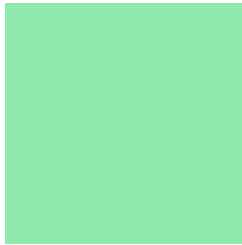
22.0568, 10.9569, 19.7257



1.6712, 0.8262, 1.6750

Previews

White Background



This preview shows how the XYZ color 47.9801, 66.7115, 49.3775 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 47.9801, 66.7115, 49.3775 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 47.9801, 66.7115, 49.3775

Background



This preview shows how black text looks on a background with the XYZ color 47.9801, 66.7115, 49.3775.



This preview shows how white text looks on a background with the XYZ color 47.9801, 66.7115,

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

47.9801, 66.7115, 49.3775

Protanopia

61.8329, 66.0622, 44.1427

Deuteranopia

67.2849, 65.8126, 51.2763



Tritanopia

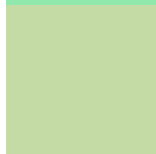
56.7621, 66.5998, 93.0825

Trichromacy



Original Color

47.9801, 66.7115, 49.3775



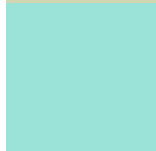
Protanomaly

55.2404, 65.2865, 45.7665



Deuteranomaly

58.1775, 64.7830, 50.5124



Tritanomaly

53.1086, 66.3191, 74.9675

Monochromacy



Original Color

47.9801, 66.7115, 49.3775



Achromatopsia

54.2854, 57.1125, 62.1955



Achromatomaly

51.0700, 59.8464, 57.0039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9801, 66.7115, 49.3775 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(145, 232, 172)` looks like.

```
.text, #text, p{  
    color:rgb(145, 232, 172)  
}
```

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(145, 232, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 232, 172) }
```

Border

The CSS property to change the border of an element to XYZ 47.9801, 66.7115, 49.3775 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(145, 232, 172) }
```


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

```
.border{ border-color:rgb(145, 232, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 232, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 232, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 232, 172);  
box-shadow:4px 4px 4px 4px rgb(145, 232,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9801, 66.7115, 49.3775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 232, 172) }
```

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

```
.background{ background-color: rgb(145,  
232, 172) }
```

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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