

Converting Colors

XYZ(48.9137, 63.8441, 63.4240)

Have a look what the booklet for
XYZ(48.9137, 63.8441, 63.4240)
contains.

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Color

**XYZ(48.9723, 64.0386,
63.2057)**

Conversions

Conversions Part 1

Format	Color
Hex	92E1C6
RGB	146, 225, 198
RGB Percent	57%, 88%, 78%
CMY	0.4274, 0.1176, 0.2235
CMYK	0.35, 0.00, 0.12, 0.12
HSL	159°, 57%, 73%
HSV	159°, 35%, 88%
XYZ	48.9723, 64.0386, 63.2057
YIQ	198.3010, -38.4170, -25.1450

Conversions

Conversions Part 2

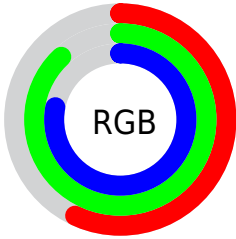
Format	Color
RYB	146, 194, 225
Decimal	9626054
CIELab	83.99, -30.13, 5.55
CIELCh	84, 30.638, 169.561
Yxy	64.0386, 0.2779, 0.3634
Android (android.graphics.Color)	4287816134 (0xFF92E1C6)
YUV	198.3010, -0.1484, -45.8680
Hunter-Lab	80.0241, -30.8057, 9.1877

Details

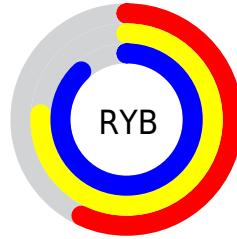
The XYZ color **48.9723, 64.0386, 63.2057** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **48.8752, 39.5841, 44.6021**, and the grayscale version is **53.8786, 56.6845, 61.7294**.

A 20% lighter version of the original color is **78.1671, 91.2966, 108.1099**, and **23.6356, 32.6649, 31.4448** is the 20% darker color. If you saturate the color by 10%, you get **44.4951, 61.8321, 58.4834**, and if you desaturate by 10%, it is **54.2853, 66.6741, 68.2050**.

Distribution



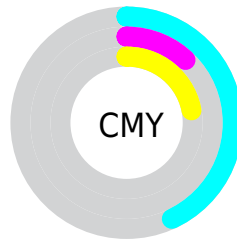
- Red (57%)
- Green (88%)
- Blue (78%)



- Red (57%)
- Yellow (76%)
- Blue (88%)



- Cyan (35%)
- Magenta (0%)
- Yellow (12%)
- Black (12%)





- Cyan (43%)
- Magenta (12%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.9723, 64.0386, 63.2057 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 48.9723, 64.0386, 63.2057 by changing the saturation by 10% instead.


 48.9723, 64.0386,
63.2057


 48.9723, 64.0386,
63.2057

373.1520,
439.3290, 454.4441

 34.8120, 46.6819,
45.5656


 87.8513, 110.6665,
111.0547

 23.6839, 32.7843,
31.5570


 113.3006,
140.7066, 142.1006

 15.2228, 21.9612,
20.7613


143.2437,
175.7432, 178.4522

 9.0632, 13.8284,
12.7601

178.0458,
216.1608, 220.5280

 4.8399, 8.0014,
7.1348

218.0723,
262.3438, 268.7465

 2.1874, 4.0959,
3.4668

263.6886,

 0.7361, 1.7273,

314.6766, 323.5264

1.3377

315.2601,
373.5435, 385.2860

0.0000, 0.4413,
0.0923

0.0000, 0.0000,
0.0000

48.9723, 64.0386,
63.2057

48.9723, 64.0386,
63.2057

44.4951, 61.8321,
58.4834

54.2853, 66.6741,
68.2050

40.8012, 60.0226,
54.0281

60.4719, 69.7530,
73.4823

37.8405, 58.5860,
49.8354

67.5742, 73.2986,
79.0444

35.5545, 57.4924,
45.8987

75.6297, 77.3302,
84.8961

■ 33.8755, 56.7067,
42.2114

■ 83.3728, 81.1953,
90.9815

■ 32.7203, 56.1862,
38.7656

■ 84.5175, 81.6531,
97.0095

■ 32.2795, 55.9939,
37.1647

■ 85.7110, 82.1305,
103.2941

■ 86.2163, 82.3327,
105.9554

Harmonies

Analogous

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



51.5119, 64.0386, 48.2859



48.9723, 64.0386, 63.2057



49.4360, 64.0386, 82.9296

Triad

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



48.9723, 64.0386, 63.2057



65.3172, 64.0386, 110.9524



69.6810, 64.0386, 45.0868

Complementary

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



48.9723, 64.0386, 63.2057



48.8752, 39.5841, 44.6021

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.



73.9363, 64.0386, 58.0060



48.9723, 64.0386, 63.2057



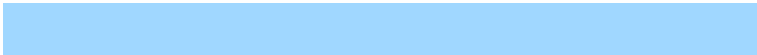
71.2908, 64.0386, 96.7281

Square

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



48.9723, 64.0386, 63.2057



58.5449, 64.0386, 113.0512



74.5463, 64.0386, 76.6824



63.2492, 64.0386, 39.1837

Rectangle

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



48.9723, 64.0386, 63.2057



51.3975, 64.0386, 96.1863



74.5463, 64.0386, 76.6824



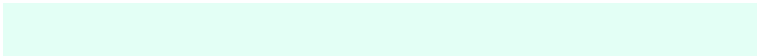
71.4330, 64.0386, 48.6283

Sweetspot

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



48.9741, 64.0412, 63.2072



83.9673, 94.4606, 100.5240



49.4932, 64.8870, 37.1110



17.7028, 20.0839, 21.3023



0.0000, 0.0000, 0.0000



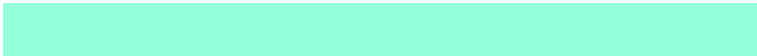
20.3446, 21.4041, 23.3091

Same Dimension

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



48.9741, 64.0412, 63.2072



60.6612, 82.8892, 79.4022



49.2787, 59.2137, 80.0693



13.9071, 15.4886, 16.5460



18.6569, 32.2876, 21.7143



1.3347, 2.2546, 1.7235

Inverse Universe

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



48.8752, 39.5841, 44.6021



60.5191, 45.8904, 51.2941



48.4429, 42.4871, 32.8427



13.8996, 13.7775, 15.2415



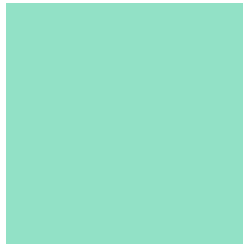
18.7125, 9.5520, 5.1517



1.3380, 0.6785, 0.5729

Previews

White Background



This preview shows how the XYZ color 48.9723, 64.0386, 63.2057 looks on a white background.

Color Contrast Check

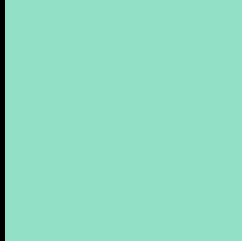
Large Text (above 18pt) WCAG AA × Fail

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 48.9723, 64.0386, 63.2057 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

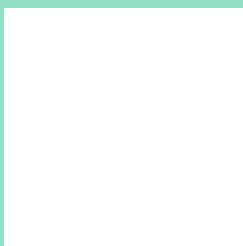
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.9723, 64.0386, 63.2057

Background



This preview shows how black text looks on a background with the XYZ color 48.9723, 64.0386, 63.2057.



This preview shows how white text looks on a background with the XYZ color 48.9723, 64.0386,

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

48.9723, 64.0386, 63.2057

Protanopia

60.3565, 63.5376, 57.2270

Deuteranopia

64.8550, 63.5418, 65.3465



Tritanopia

54.1351, 63.7460, 89.5718

Trichromacy



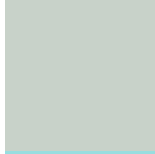
Original Color

48.9723, 64.0386, 63.2057



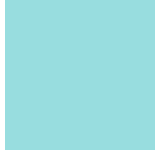
Protanomaly

55.0469, 62.9753, 59.1233



Deuteranomaly

57.4086, 62.5896, 64.3136



Tritanomaly

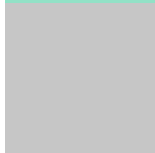
52.1246, 63.7160, 79.3632

Monochromacy



Original Color

48.9723, 64.0386, 63.2057



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

51.3393, 58.7727, 62.0645

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9723, 64.0386, 63.2057 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(146, 225, 198)` looks like.

```
.text, #text, p{  
    color:rgb(146, 225, 198)  
}
```

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(146, 225, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 225, 198) }
```

Border

The CSS property to change the border of an element to XYZ 48.9723, 64.0386, 63.2057 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(146, 225, 198) }
```


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

```
.border{ border-color:rgb(146, 225, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 225, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(146, 225, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(146, 225, 198); box-shadow:4px 4px 4px 4px rgb(146, 225, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9723, 64.0386, 63.2057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 225, 198) }
```

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

```
.background{ background-color: rgb(146,  
225, 198) }
```

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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