

Converting Colors

XYZ(40.0522, 48.4598, 66.2759)

Have a look what the booklet for
XYZ(40.0522, 48.4598, 66.2759)
contains.

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Color

**XYZ(39.9835, 48.2810,
66.2433)**

Conversions

Conversions Part 1

Format	Color
Hex	82C3CF
RGB	130, 195, 207
RGB Percent	51%, 76%, 81%
CMY	0.4902, 0.2353, 0.1882
CMYK	0.37, 0.06, 0.00, 0.19
HSL	189°, 45%, 66%
HSV	189°, 37%, 81%
XYZ	39.9835, 48.2810, 66.2433
YIQ	176.9330, -42.5920, -10.0480

Conversions

Conversions Part 2

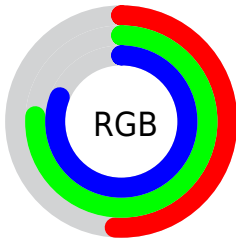
Format	Color
RYB	130, 165, 207
Decimal	8569807
CIELab	75.00, -17.61, -12.57
CIELCh	75, 21.633, 215.524
Yxy	48.2810, 0.2588, 0.3125
Android (android.graphics.Color)	4286759887 (0xFF82C3CF)
YUV	176.9330, 14.8230, -41.1602
Hunter-Lab	69.4845, -18.8836, -7.8851

Details

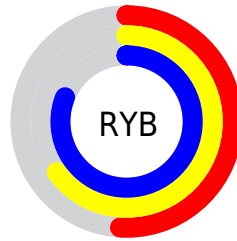
The XYZ color **39.9835, 48.2810, 66.2433** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.4352, 34.2238, 25.6477**, and the grayscale version is **41.6966, 43.8681, 47.7724**.

A 20% lighter version of the original color is **73.1101, 87.2799, 107.6011**, and **18.2551, 22.8862, 33.5923** is the 20% darker color. If you saturate the color by 10%, you get **36.4076, 45.3773, 65.8721**, and if you desaturate by 10%, it is **44.2166, 51.5489, 66.6518**.

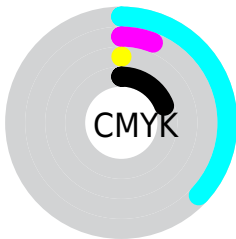
Distribution



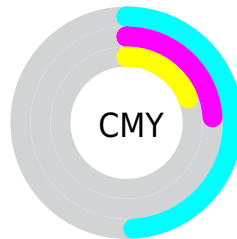
- Red (51%)
- Green (76%)
- Blue (81%)



- Red (51%)
- Yellow (65%)
- Blue (81%)



- Cyan (37%)
- Magenta (6%)
- Yellow (0%)
- Black (19%)



- Cyan (49%)
- Magenta (24%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9835, 48.2810, 66.2433 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 39.9835, 48.2810, 66.2433 by changing the saturation by 10% instead.

■ 39.9835, 48.2810,
66.2433

■ 39.9835, 48.2810,
66.2433

337.1896,
379.9049, 465.6745

■ 27.7098, 34.0495,
48.0122

■ 74.4229, 87.6226,
115.4658

■ 18.2464, 22.9316,
33.4765

■ 97.3193, 113.5015,
147.2943

■ 11.2278, 14.5430,
22.2176

■ 124.4874,
144.0317, 184.4923

■ 6.2887, 8.4993,
13.8170

156.2924,
179.5975, 227.4784

■ 3.0637, 4.4161,
7.8562

193.0998,
220.5833, 276.6711

■ 1.1875, 1.9089,
3.9166

235.2749,

■ 0.0965, 0.5537,

267.3735, 332.4890

1.5797

283.1831,
320.3526, 395.3506

■ 0.0000, 0.0000,
0.2763

■ 0.0000, 0.0000,
0.0000

■ 39.9835, 48.2810,
66.2433

■ 39.9835, 48.2810,
66.2433

■ 36.4076, 45.3773,
65.8721

■ 44.2166, 51.5489,
66.6518

■ 33.4459, 42.8122,
65.5331

■ 49.1381, 55.1939,
67.0960

■ 31.0572, 40.5654,
65.2253

■ 54.7820, 59.2348,
67.5785

■ 29.1930, 38.6117,
64.9465

■ 61.1792, 63.6876,
68.1008

■ 27.7968, 36.9218,
64.6939

■ 68.3586, 68.5673,
68.6643

■ 26.7921, 35.4562,
64.4640

■ 76.3474, 73.8882,
69.2702

■ 26.5433, 35.0663,
64.4018

■ 77.4658, 75.6914,
69.5593

■ 78.3083, 77.3764,
69.8402

■ 79.1672, 79.0941,
70.1265

Harmonies

Analogous

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



38.7397, 48.2810, 54.6907



39.9835, 48.2810, 66.2433



42.8153, 48.2810, 74.9473

Triad

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



39.9835, 48.2810, 66.2433



53.1525, 48.2810, 62.1033



45.1627, 48.2810, 33.7608

Complementary

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



39.9835, 48.2810, 66.2433



39.4352, 34.2238, 25.6477

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.



49.1078, 48.2810, 35.1591



39.9835, 48.2810, 66.2433



53.8693, 48.2810, 50.5044

Square

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



39.9835, 48.2810, 66.2433



50.4441, 48.2810, 72.3272



52.3505, 48.2810, 40.9206



41.6180, 48.2810, 36.7842

Rectangle

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



39.9835, 48.2810, 66.2433



45.2996, 48.2810, 77.3641



52.3505, 48.2810, 40.9206



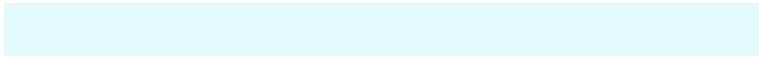
46.4848, 48.2810, 33.7350

Sweetspot

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



39.9850, 48.2829, 66.2444



84.0942, 92.3057, 107.9923



36.3686, 51.3120, 33.4030



17.7327, 19.5663, 23.0920



0.0000, 0.0000, 0.0000



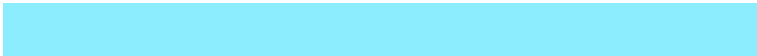
20.3446, 21.4041, 23.3091

Same Dimension

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



39.9850, 48.2829, 66.2444



59.2262, 73.4548, 105.6644



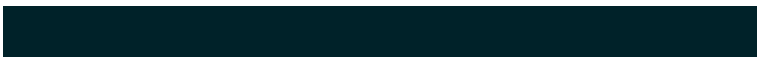
32.5181, 33.3491, 63.7555



11.9950, 13.0802, 15.1362



16.7801, 22.2068, 40.5944



0.9815, 1.3282, 2.2842

Inverse Universe

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



43.5663, 33.1720, 55.7384



65.9582, 46.2107, 85.6555



46.0938, 47.5409, 27.8672



12.2283, 11.9761, 14.4783



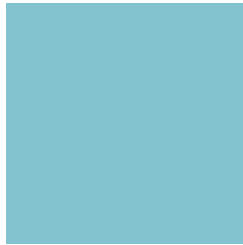
21.1005, 10.3131, 26.4993



1.2017, 0.5854, 1.5967

Previews

White Background



This preview shows how the XYZ color 39.9835, 48.2810, 66.2433 looks on a white background.

Color Contrast Check

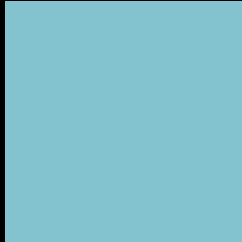
Large Text (above 18pt) WCAG AA × Fail

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 39.9835, 48.2810, 66.2433 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 39.9835, 48.2810, 66.2433

Background



This preview shows how black text looks on a background with the XYZ color 39.9835, 48.2810, 66.2433.



This preview shows how white text looks on a background with the XYZ color 39.9835, 48.2810,

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

39.9835, 48.2810, 66.2433

Protanopia

46.7707, 48.0578, 60.8438

Deuteranopia

48.7392, 47.7122, 67.6133



Tritanopia

40.5080, 48.5087, 68.2009

Trichromacy



Original Color

39.9835, 48.2810, 66.2433

Protanomaly

43.7408, 47.6974, 62.7783

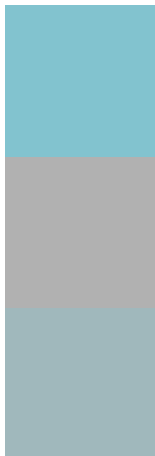
Deuteranomaly

45.0060, 47.6262, 67.1423

Tritanomaly

40.3838, 48.4590, 67.5467

Monochromacy



Original Color

39.9835, 48.2810, 66.2433

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

40.7148, 45.3854, 54.1913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9835, 48.2810, 66.2433 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(130, 195, 207)` looks like.

```
.text, #text, p{  
    color:rgb(130, 195, 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(130, 195, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 195, 207) }
```

Border

The CSS property to change the border of an element to XYZ 39.9835, 48.2810, 66.2433 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(130, 195, 207) }
```


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

```
.border{ border-color:rgb(130, 195, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 195, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 195, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 195, 207);  
box-shadow:4px 4px 4px 4px rgb(130, 195,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9835, 48.2810, 66.2433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 195, 207) }
```

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

```
.background{ background-color: rgb(130,  
195, 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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