

Converting Colors

XYZ(40.9837, 49.0586, 69.5965)

Have a look what the booklet for
XYZ(40.9837, 49.0586, 69.5965)
contains.

XYZ(40.9837, 49.0586, 69.5965)	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(40.9837, 49.0586,
69.5965)**

Conversions

Conversions Part 1

Format	Color
Hex	83C4D4
RGB	131, 196, 212
RGB Percent	51%, 77%, 83%
CMY	0.4863, 0.2314, 0.1686
CMYK	0.38, 0.08, 0.00, 0.17
HSL	192°, 49%, 67%
HSV	192°, 38%, 83%
XYZ	40.9837, 49.0586, 69.5965
YIQ	178.3890, -43.8760, -8.8040

Conversions

Conversions Part 2

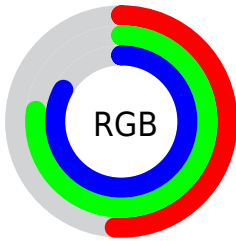
Format	Color
RYB	131, 167, 212
Decimal	8635604
CIELab	75.49, -16.60, -14.54
CIElCh	75, 22.072, 221.219
Yxy	49.0586, 0.2567, 0.3073
Android (android.graphics.Color)	4286825684 (0xFF83C4D4)
YUV	178.3890, 16.5702, -41.5602
Hunter-Lab	70.0418, -18.1272, -9.8837

Details

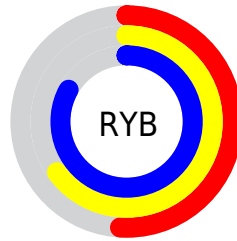
The XYZ color **40.9837, 49.0586, 69.5965** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.6827, 36.5040, 26.3232**, and the grayscale version is **42.4558, 44.6668, 48.6421**.

A 20% lighter version of the original color is **73.6688, 88.0354, 107.7175**, and **18.7393, 23.3168, 35.4112** is the 20% darker color. If you saturate the color by 10%, you get **37.0991, 45.6745, 69.1489**, and if you desaturate by 10%, it is **45.5694, 52.8456, 70.0866**.

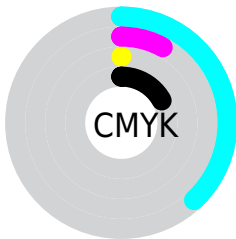
Distribution



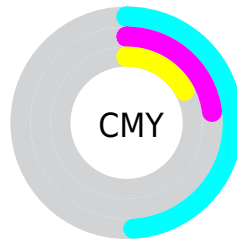
- Red (51%)
- Green (77%)
- Blue (83%)



- Red (51%)
- Yellow (65%)
- Blue (83%)



- Cyan (38%)
- Magenta (8%)
- Yellow (0%)
- Black (17%)



- Cyan (49%)
- Magenta (23%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9837, 49.0586, 69.5965 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 40.9837, 49.0586, 69.5965 by changing the saturation by 10% instead.

■ 40.9837, 49.0586,
69.5965

■ 40.9837, 49.0586,
69.5965

341.3162,
382.9730, 477.8828

■ 28.4940, 34.6660,
50.7229

■ 75.9340, 88.7785,
120.3089

■ 18.8407, 23.4057,
35.6129

■ 99.1253, 114.8745,
152.9847

■ 11.6586, 14.8933,
23.8481

■ 126.6145,
145.6405, 191.0983

■ 6.5822, 8.7446,
15.0098

158.7669,
181.4608, 235.0684

■ 3.2462, 4.5749,
8.6796

195.9479,
222.7198, 285.3133

■ 1.2852, 2.0001,
4.4388

238.5229,

■ 0.1721, 0.6075,

269.8019, 342.2516

1.8690

286.8573,
323.0915, 406.3019

■ 0.0000, 0.0000,
0.4729

■ 0.0000, 0.0000,
0.0000

■ 40.9837, 49.0586,
69.5965

■ 40.9837, 49.0586,
69.5965

■ 37.0991, 45.6745,
69.1489

■ 45.5694, 52.8456,
70.0866

■ 33.8697, 42.6659,
68.7384

■ 50.8897, 57.0495,
70.6176

■ 31.2510, 40.0106,
68.3639

■ 56.9813, 61.6908,
71.1924

■ 29.1908, 37.6814,
68.0229

■ 63.8770, 66.7867,
71.8126

■ 27.6278, 35.6463,
67.7125

■ 71.6077, 72.3535,
72.4796

■ 26.4716, 33.8585,
67.4283

■ 79.0138, 77.7935,
73.1393

■ 26.2827, 33.5512,
67.3790

■ 80.1341, 80.0340,
73.5128

■ 81.2821, 82.3301,
73.8954

■ 82.4581, 84.6821,
74.2874

Harmonies

Analogous

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



39.3626, 49.0586, 57.8989



40.9837, 49.0586, 69.5965



44.1531, 49.0586, 77.5829

Triad

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



40.9837, 49.0586, 69.5965



54.4413, 49.0586, 60.9661



45.1220, 49.0586, 34.3021

Complementary

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



40.9837, 49.0586, 69.5965



41.6827, 36.5040, 26.3232

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.



49.1953, 49.0586, 34.8750



40.9837, 49.0586, 69.5965



54.7382, 49.0586, 49.1715

Square

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



40.9837, 49.0586, 69.5965



51.9806, 49.0586, 72.1212



52.7697, 49.0586, 39.9612



41.6574, 49.0586, 38.2624

Rectangle

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



40.9837, 49.0586, 69.5965



46.7955, 49.0586, 79.1177



52.7697, 49.0586, 39.9612



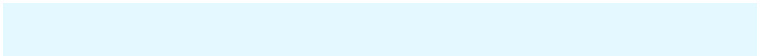
46.4624, 49.0586, 33.9879

Sweetspot

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



40.9852, 49.0605, 69.5976



83.7308, 91.5787, 107.8711



38.0814, 53.9840, 35.5473



17.6456, 19.3921, 23.0630



0.0000, 0.0000, 0.0000



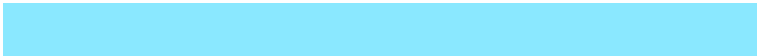
20.3446, 21.4041, 23.3091

Same Dimension

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



40.9852, 49.0605, 69.5976



57.2910, 70.2164, 105.1413



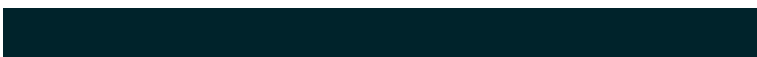
33.2429, 33.5759, 67.0169



12.5741, 13.6717, 15.9137



16.2970, 20.8558, 41.6198



1.0373, 1.3666, 2.5284

Inverse Universe

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



45.2328, 34.2166, 56.4470



64.8271, 45.1676, 81.5203



48.8819, 50.9024, 28.7229



12.8430, 12.5887, 15.1134



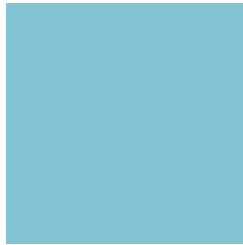
21.2848, 10.4503, 24.6018



1.3112, 0.6413, 1.6283

Previews

White Background



This preview shows how the XYZ color 40.9837, 49.0586, 69.5965 looks on a white background.

Color Contrast Check

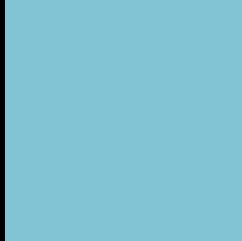
Large Text (above 18pt) WCAG AA × Fail

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 40.9837, 49.0586, 69.5965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

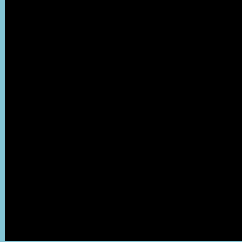
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9837, 49.0586, 69.5965

Background



This preview shows how black text looks on a background with the XYZ color 40.9837, 49.0586, 69.5965.



This preview shows how white text looks on a background with the XYZ color 40.9837, 49.0586,

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

40.9837, 49.0586, 69.5965

Protanopia

47.5680, 48.7079, 64.0212

Deuteranopia

49.7759, 48.7729, 71.0806



Tritanopia

40.9837, 49.0586, 69.5965

Trichromacy



Original Color

40.9837, 49.0586, 69.5965

Protanomaly

44.5555, 48.3639, 66.0183

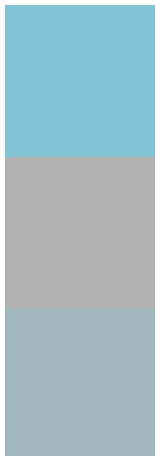
Deuteranomaly

45.8450, 48.2977, 70.5244

Tritanomaly

40.9837, 49.0586, 69.5965

Monochromacy



Original Color

40.9837, 49.0586, 69.5965

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.3412, 45.9927, 55.4138

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9837, 49.0586, 69.5965 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(131, 196, 212)` looks like.

```
.text, #text, p{  
    color:rgb(131, 196, 212)  
}
```

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(131, 196, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 196, 212) }
```

Border

The CSS property to change the border of an element to XYZ 40.9837, 49.0586, 69.5965 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(131, 196, 212) }
```


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

```
.border{ border-color:rgb(131, 196, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 196, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 196, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 196, 212);  
box-shadow:4px 4px 4px 4px rgb(131, 196,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9837, 49.0586, 69.5965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 196, 212) }
```

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

```
.background{ background-color: rgb(131,  
196, 212) }
```

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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