

Converting Colors

XYZ(45.1063, 65.1272, 67.5007)

Have a look what the booklet for
XYZ(45.1063, 65.1272, 67.5007)
contains.

XYZ(45.1836, 65.2901, 67.3476)	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(45.1836, 65.2901,
67.3476)**

Conversions

Conversions Part 1

Format	Color
Hex	63E9CC
RGB	99, 233, 204
RGB Percent	39%, 91%, 80%
CMY	0.6117, 0.0863, 0.2000
CMYK	0.58, 0.00, 0.12, 0.09
HSL	167°, 75%, 65%
HSV	167°, 58%, 91%
XYZ	45.1836, 65.2901, 67.3476
YIQ	189.6280, -70.5550, -37.4270

Conversions

Conversions Part 2

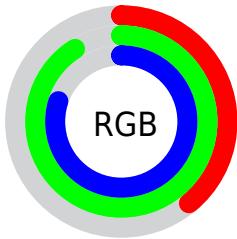
Format	Color
RYB	99, 174, 233
Decimal	6547916
CIELab	84.63, -43.54, 3.10
CIELCh	85, 43.646, 175.928
Yxy	65.2901, 0.2541, 0.3672
Android (android.graphics.Color)	4284737996 (0xFF63E9CC)
YUV	189.6280, 7.0854, -79.4808
Hunter-Lab	80.8023, -41.5891, 7.1442

Details

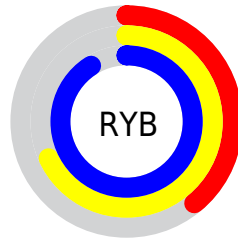
The XYZ color **45.1836, 65.2901, 67.3476** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **41.9646, 27.8076, 23.5801**, and the grayscale version is **48.7210, 51.2583, 55.8203**.

A 20% lighter version of the original color is **68.3072, 86.2136, 107.6485**, and **21.4583, 33.7655, 34.2406** is the 20% darker color. If you saturate the color by 10%, you get **42.4011, 63.9260, 64.1120**, and if you desaturate by 10%, it is **48.7235, 67.0456, 70.7238**.

Distribution



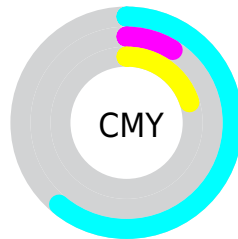
- Red (39%)
- Green (91%)
- Blue (80%)



- Red (39%)
- Yellow (68%)
- Blue (91%)



- Cyan (58%)
- Magenta (0%)
- Yellow (12%)
- Black (9%)





- Cyan (61%)
- Magenta (9%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1836, 65.2901, 67.3476 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 45.1836, 65.2901, 67.3476 by changing the saturation by 10% instead.


 45.1836, 65.2901,
67.3476

 45.1836, 65.2901,
67.3476

358.2878,
443.8337, 469.7162


 31.8040, 47.6964,
48.9038


 82.2312, 112.4668,
117.0637

 21.3666, 33.5865,
34.1781


 106.6299,
142.8186, 149.1731

 13.5062, 22.5761,
22.7520


 135.4323,
178.1918, 186.6748

 7.8575, 14.2808,
14.2069

 169.0038,
218.9709, 229.9873

 4.0549, 8.3162,
8.1243

207.7098,
265.5403, 279.5291

 1.7332, 4.2980,
4.0857

251.9155,

 0.4769, 1.8416,

318.2842, 335.7189

1.6725

301.9864,
377.5873, 398.9750

■ 0.0000, 0.5129,
0.3418

■ 0.0000, 0.0000,
0.0000

■ 45.1836, 65.2901,
67.3476

■ 45.1836, 65.2901,
67.3476

■ 42.4011, 63.9260,
64.1120

■ 48.7235, 67.0456,
70.7238

■ 40.3052, 62.9121,
61.0083


■ 53.0729, 69.2145,
74.2397


■ 38.8211, 62.2113,
58.0337


■ 58.2855, 71.8260,
77.9000


■ 37.8465, 61.7710,
55.1822


■ 64.4087, 74.9047,
81.7081


 37.6429, 61.6812,
54.4891

 71.4866, 78.4732,
85.6667

 79.5603, 82.5527,
89.7788

 86.0048, 85.7899,
93.9224

 86.7617, 86.0927,
97.9083

 87.5396, 86.4039,
102.0047

Harmonies

Analogous

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



47.7968, 65.2901, 45.0705



45.1836, 65.2901, 67.3476



46.6877, 65.2901, 97.2217

Triad

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



45.1836, 65.2901, 67.3476



70.6125, 65.2901, 131.0775



73.1538, 65.2901, 35.2674

Complementary

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



45.1836, 65.2901, 67.3476



41.9646, 27.8076, 23.5801

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.



80.4740, 65.2901, 50.1180



45.1836, 65.2901, 67.3476



78.9023, 65.2901, 105.5808

Square

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



45.1836, 65.2901, 67.3476



60.7355, 65.2901, 139.1539



82.6798, 65.2901, 74.9682



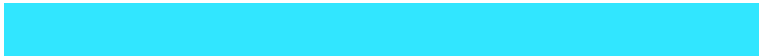
63.3961, 65.2901, 29.8809

Rectangle

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



45.1836, 65.2901, 67.3476



49.9172, 65.2901, 117.0205



82.6798, 65.2901, 74.9682



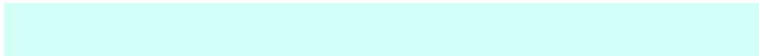
76.0193, 65.2901, 39.0917

Sweetspot

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



45.1854, 65.2927, 67.3491



79.3865, 92.0954, 100.4734



40.3002, 63.7731, 21.9910



16.6453, 19.5377, 21.3000



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.



45.1854, 65.2927, 67.3491



51.5024, 78.1899, 77.9676



39.3782, 47.5834, 84.2027



15.3700, 17.0628, 18.6311



21.4064, 35.0170, 31.1686



1.7155, 2.7635, 2.6297

Inverse Universe

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



41.9646, 27.8076, 23.5801



47.2582, 28.1466, 19.8123



44.7995, 36.1084, 16.4141



15.1989, 15.1074, 16.3327



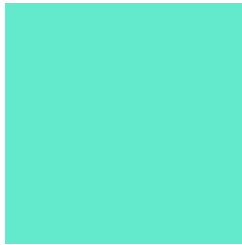
19.4371, 9.9775, 2.8370



1.5612, 0.7974, 0.4065

Previews

White Background



This preview shows how the XYZ color 45.1836, 65.2901, 67.3476 looks on a white background.

Color Contrast Check

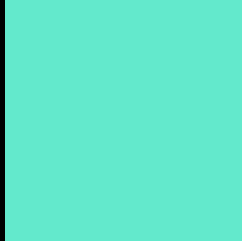
Large Text (above 18pt) WCAG AA × Fail

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 45.1836, 65.2901, 67.3476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

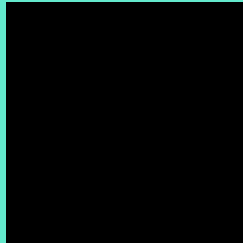
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

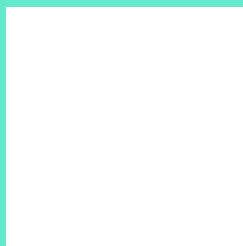
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.1836, 65.2901, 67.3476

Background



This preview shows how black text looks on a background with the XYZ color 45.1836, 65.2901, 67.3476.



This preview shows how white text looks on a background with the XYZ color 45.1836, 65.2901,

67.3476.

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

45.1836, 65.2901, 67.3476

Protanopia

61.1179, 64.2679, 58.4739

Deuteranopia

65.3019, 64.0230, 69.8887



Tritanopia

50.8899, 65.1081, 96.2711

Trichromacy



Original Color

45.1836, 65.2901, 67.3476



Protanomaly

52.7144, 63.2423, 61.6532



Deuteranomaly

54.7231, 62.5923, 68.8718



Tritanomaly

48.6089, 65.0030, 84.8478

Monochromacy



Original Color

45.1836, 65.2901, 67.3476



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

45.8263, 55.2508, 59.8789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1836, 65.2901, 67.3476 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(99, 233, 204)` looks like.

```
.text, #text, p{  
    color:rgb(99, 233, 204)  
}
```

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(99, 233, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 233, 204) }
```

Border

The CSS property to change the border of an element to XYZ 45.1836, 65.2901, 67.3476 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(99, 233, 204) }
```


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

```
.border{ border-color:rgb(99, 233, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 233, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 233, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 233, 204);  
box-shadow:4px 4px 4px 4px rgb(99, 233,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1836, 65.2901, 67.3476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 233, 204) }
```

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

```
.background{ background-color: rgb(99, 233,  
204) }
```

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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