

Converting Colors

XYZ(21.6135, 34.8616, 8.4073)

Have a look what the booklet for
XYZ(21.6135, 34.8616, 8.4073)
contains.

XYZ(21.6906, 35.0503, 8.4185)	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(21.6906, 35.0503,
8.4185)**

Conversions

Conversions Part 1

Format	Color
Hex	62B330
RGB	98, 179, 48
RGB Percent	38%, 70%, 19%
CMY	0.6157, 0.2980, 0.8117
CMYK	0.45, 0.00, 0.73, 0.30
HSL	97°, 58%, 45%
HSV	97°, 73%, 70%
XYZ	21.6906, 35.0503, 8.4185
YIQ	139.8470, -6.2250, -57.9130

Conversions

Conversions Part 2

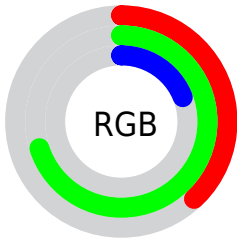
Format	Color
RYB	48, 179, 129
Decimal	6468400
CIELab	65.79, -46.98, 55.81
CIELCh	66, 72.954, 130.093
Yxy	35.0503, 0.3329, 0.5379
Android (android.graphics.Color)	4284658480 (0xFF62B330)
YUV	139.8470, -45.2806, -36.6998
Hunter-Lab	59.2033, -38.2078, 33.0115

Details

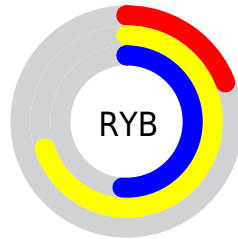
The XYZ color **21.6906, 35.0503, 8.4185** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **18.2489, 10.0370, 43.6253**, and the grayscale version is **25.0408, 26.3448, 28.6895**.

A 20% lighter version of the original color is **45.6741, 67.3645, 23.4273**, and **8.0966, 15.0605, 2.4802** is the 20% darker color. If you saturate the color by 10%, you get **20.2806, 34.3589, 6.7983**, and if you desaturate by 10%, it is **23.4165, 35.8895, 10.8328**.

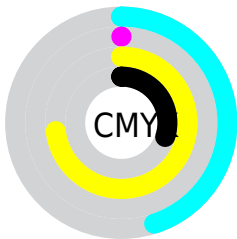
Distribution



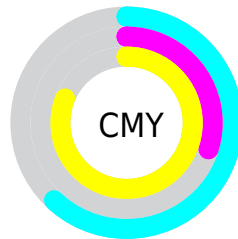
- Red (38%)
- Green (70%)
- Blue (19%)



- Red (19%)
- Yellow (70%)
- Blue (51%)



- Cyan (45%)
- Magenta (0%)
- Yellow (73%)
- Black (30%)





- Cyan (62%)
- Magenta (30%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.6906, 35.0503, 8.4185 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 21.6906, 35.0503, 8.4185 by changing the saturation by 10% instead.


 21.6906, 35.0503,
8.4185


 21.6906, 35.0503,
8.4185


253.5891,
324.7903, 189.0341


 13.7451, 23.7016,
4.2723


 45.7168, 67.5637,
23.3344

 8.0241, 15.1124,
1.7759


 62.5281, 89.4972,
34.9413


 4.1623, 8.8983,
0.4120


 83.0254, 115.7277,
49.8720

 1.7944, 4.6749,
0.0000

 107.5741,
146.6398, 68.5453

 0.5143, 2.0578,
0.0000

 136.5394,
182.6176, 91.3796

 0.0000, 0.6407,
0.0000

 170.2868,

 0.0000, 0.0000,

224.0457, 118.7935

0.0000

209.1815,
271.3085, 151.2055

■ 21.6906, 35.0503,
8.4185

■ 21.6906, 35.0503,
8.4185

■ 20.2806, 34.3589,
6.7983

■ 23.4165, 35.8895,
10.8328

■ 19.1580, 33.7996,
5.8687

■ 25.4783, 36.8817,
14.1237

■ 18.5268, 33.4820,
5.4862

■ 27.8966, 38.0370,
18.3657

■ 30.6898, 39.3634,
23.6247

■ 33.8745, 40.8683,
29.9610

■ 37.4667, 42.5585,
37.4299

■ 41.4810, 44.4406,
46.0830

■ 45.9314, 46.5206,
55.9689

■ 50.8314, 48.8046,
67.1332

Harmonies

Analogous

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



29.8197, 35.0503, 4.5078



21.6906, 35.0503, 8.4185



17.4061, 35.0503, 21.3393

Triad

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



21.6906, 35.0503, 8.4185



26.7564, 35.0503, 125.3420



58.1071, 35.0503, 28.6964

Complementary

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



21.6906, 35.0503, 8.4185



18.2489, 10.0370, 43.6253

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.



56.7901, 35.0503, 62.0943



21.6906, 35.0503, 8.4185



37.0717, 35.0503, 131.2272

Square

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



21.6906, 35.0503, 8.4185



19.8647, 35.0503, 90.4336



48.4884, 35.0503, 103.7776



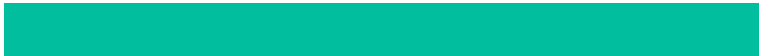
51.7735, 35.0503, 11.3150

Rectangle

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



21.6906, 35.0503, 8.4185



16.6166, 35.0503, 38.2597



48.4884, 35.0503, 103.7776



58.5720, 35.0503, 38.0681

Sweetspot

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



21.6914, 35.0518, 8.4193



61.1595, 73.4234, 54.6642



26.9472, 25.4422, 6.2874



13.1933, 16.0988, 11.3865



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.6914, 35.0518, 8.4193



34.9960, 60.8751, 10.9946



18.2453, 33.2323, 10.1978



8.6854, 9.6429, 9.0560



13.1590, 23.6938, 3.8798



0.4802, 0.7796, 0.1252

Inverse Universe

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



18.2489, 10.0370, 43.6253



28.3330, 13.5338, 77.5001



26.3241, 14.3687, 36.3758



8.5296, 8.4815, 10.6939



10.4285, 4.7119, 30.4968



0.3907, 0.1805, 0.9625

Previews

White Background



This preview shows how the XYZ color 21.6906, 35.0503, 8.4185 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 21.6906, 35.0503, 8.4185 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 21.6906, 35.0503, 8.4185

Background



This preview shows how black text looks on a background with the XYZ color 21.6906, 35.0503, 8.4185.



This preview shows how white text looks on a background with the XYZ color 21.6906, 35.0503,

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

21.6906, 35.0503, 8.4185

Protanopia

31.1943, 34.4357, 7.2881

Deuteranopia

35.1447, 34.4548, 8.9358



Tritanopia

29.6647, 34.8547, 48.3441

Trichromacy



Original Color

21.6906, 35.0503, 8.4185

Protanomaly

26.5043, 33.8515, 7.6197

Deuteranomaly

28.3347, 33.4470, 8.5769

Tritanomaly

25.2833, 34.1713, 27.0929

Monochromacy



Original Color

21.6906, 35.0503, 8.4185

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

22.6669, 28.5327, 18.2226

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6906, 35.0503, 8.4185 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(98, 179, 48)` looks like.

```
.text, #text, p{  
    color:rgb(98, 179, 48)  
}
```

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(98, 179, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 179, 48) }
```

Border

The CSS property to change the border of an element to XYZ 21.6906, 35.0503, 8.4185 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(98, 179, 48) }
```


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

```
.border{ border-color:rgb(98, 179, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 179, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 179, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 179, 48);  
box-shadow:4px 4px 4px 4px rgb(98, 179,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6906, 35.0503, 8.4185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 179, 48) }
```

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

```
.background{ background-color: rgb(98, 179,  
48) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor