

Converting Colors

XYZ(23.5092, 39.0810, 21.6709)

Have a look what the booklet for
XYZ(23.5092, 39.0810, 21.6709)
contains.

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Color

**XYZ(23.5181, 39.1206,
21.6407)**

Conversions

Conversions Part 1

Format	Color
Hex	41BE70
RGB	65, 190, 112
RGB Percent	25%, 75%, 44%
CMY	0.7451, 0.2549, 0.5608
CMYK	0.66, 0.00, 0.41, 0.25
HSL	143°, 49%, 50%
HSV	143°, 66%, 75%
XYZ	23.5181, 39.1206, 21.6407
YIQ	143.7330, -49.4620, -50.7580

Conversions

Conversions Part 2

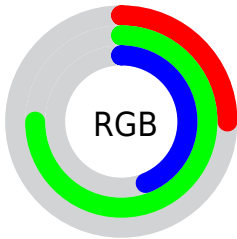
Format	Color
RYB	65, 156, 190
Decimal	4308592
CIELab	68.84, -51.78, 29.56
CIELCh	69, 59.625, 150.284
Yxy	39.1206, 0.2790, 0.4642
Android (android.graphics.Color)	4282498672 (0xFF41BE70)
YUV	143.7330, -15.6444, -69.0488
Hunter-Lab	62.5465, -42.3385, 23.2685

Details

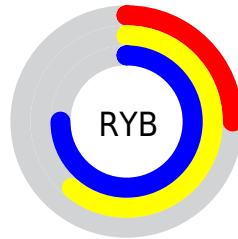
The XYZ color **23.5181, 39.1206, 21.6407** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **28.0847, 16.7118, 27.7337**, and the grayscale version is **26.4779, 27.8569, 30.3361**.

A 20% lighter version of the original color is **48.6565, 73.6738, 47.2533**, and **9.5612, 17.6868, 7.6126** is the 20% darker color. If you saturate the color by 10%, you get **21.8483, 38.3322, 18.3409**, and if you desaturate by 10%, it is **25.6998, 40.1650, 25.4200**.

Distribution



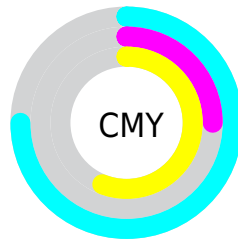
- Red (25%)
- Green (75%)
- Blue (44%)



- Red (25%)
- Yellow (61%)
- Blue (75%)



- Cyan (66%)
- Magenta (0%)
- Yellow (41%)
- Black (25%)



- Cyan (75%)
- Magenta (25%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5181, 39.1206, 21.6407 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 23.5181, 39.1206, 21.6407 by changing the saturation by 10% instead.

■ 23.5181, 39.1206,
21.6407

■ 23.5181, 39.1206,
21.6407

262.8609,
342.4030, 273.5562

■ 15.0993, 26.8536,
13.3973

■ 48.7031, 73.8225,
47.0460

■ 8.9759, 17.4633,
7.5688

■ 66.2000, 97.0262,
65.0450

■ 4.7824, 10.5653,
3.7365

■ 87.4537, 124.6442,
87.1330

■ 2.1536, 5.7754,
1.4819

■ 112.8295,
157.0609, 113.7284

■ 0.7181, 2.7090,
0.2044

■ 142.6927,
194.6608, 145.2499

■ 0.0000, 0.9818,
0.0000

177.4088,

■ 0.0000, 0.0000,

237.8281, 182.1160

0.0000

217.3431,
286.9474, 224.7453

■ 23.5181, 39.1206,
21.6407

■ 23.5181, 39.1206,
21.6407

■ 21.8483, 38.3322,
18.3409

■ 25.6998, 40.1650,
25.4200

■ 20.6397, 37.7708,
15.4982

■ 28.4318, 41.4816,
29.6947

■ 19.8340, 37.4079,
13.0918

■ 31.7522, 43.0908,
34.4832

■ 19.5657, 37.2890,
12.2018

■ 35.6946, 45.0095,
39.8021

■ 40.2901, 47.2535,
45.6674

■ 45.5676, 49.8374,
52.0942

■ 51.5542, 52.7748,
59.0971

■ 58.2756, 56.0787,
66.6901

■ 65.7561, 59.7614,
74.8867

Harmonies

Analogous

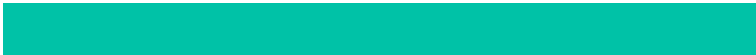
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



28.7446, 39.1206, 11.5902



23.5181, 39.1206, 21.6407



21.7995, 39.1206, 42.8540

Triad

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



23.5181, 39.1206, 21.6407



37.2730, 39.1206, 118.8015



55.2043, 39.1206, 21.3577

Complementary

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



23.5181, 39.1206, 21.6407



28.0847, 16.7118, 27.7337

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.



58.4974, 39.1206, 42.3384



23.5181, 39.1206, 21.6407



47.1296, 39.1206, 105.2680

Square

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



23.5181, 39.1206, 21.6407



28.8761, 39.1206, 105.7399



55.3215, 39.1206, 73.9856



46.9473, 39.1206, 11.4823

Rectangle

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



23.5181, 39.1206, 21.6407



22.5989, 39.1206, 63.3251



55.3215, 39.1206, 73.9856



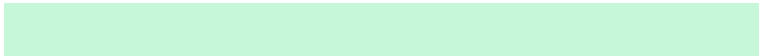
56.9853, 39.1206, 26.9696

Sweetspot

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



23.5191, 39.1222, 21.6416



69.0819, 83.7080, 77.8081



30.8997, 43.1547, 11.7026



14.6565, 18.1310, 16.4276



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



23.5191, 39.1222, 21.6416



38.5094, 68.9557, 30.8214



28.1698, 40.9825, 46.1319



9.5532, 10.7074, 10.8965



13.0449, 24.8082, 8.2993



0.5430, 0.9846, 0.4936

Inverse Universe

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



28.0847, 16.7118, 27.7337



47.3350, 25.3401, 42.3787



24.6370, 15.3327, 9.5779



9.7737, 9.6338, 11.1973



16.3559, 8.1735, 12.4338



0.6715, 0.3325, 0.6491

Previews

White Background



This preview shows how the XYZ color 23.5181, 39.1206, 21.6407 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 23.5181, 39.1206, 21.6407 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 23.5181, 39.1206, 21.6407

Background



This preview shows how black text looks on a background with the XYZ color 23.5181, 39.1206, 21.6407.



This preview shows how white text looks on a background with the XYZ color 23.5181, 39.1206,

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

23.5181, 39.1206, 21.6407

Protanopia

35.5583, 38.5618, 18.4010

Deuteranopia

39.1893, 38.4793, 22.8145



Tritanopia

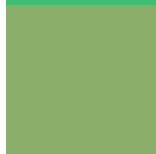
30.5852, 38.8580, 57.5181

Trichromacy



Original Color

23.5181, 39.1206, 21.6407



Protanomaly

28.5790, 37.1895, 19.3077



Deuteranomaly

30.2930, 36.8708, 22.0432



Tritanomaly

27.4117, 38.7914, 41.6401

Monochromacy



Original Color

23.5181, 39.1206, 21.6407



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.9800, 30.8005, 26.5110

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5181, 39.1206, 21.6407 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(65, 190, 112)` looks like.

```
.text, #text, p{  
    color:rgb(65, 190, 112)  
}
```

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(65, 190, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 190, 112) }
```

Border

The CSS property to change the border of an element to XYZ 23.5181, 39.1206, 21.6407 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(65, 190, 112) }
```


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

```
.border{ border-color:rgb(65, 190, 112) }
```

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

Here you see how a box with a 4 pixel rgb(65, 190, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 190, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 190, 112);  
box-shadow:4px 4px 4px 4px rgb(65, 190,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5181, 39.1206, 21.6407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 190, 112) }
```

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

```
.background{ background-color: rgb(65, 190,  
112) }
```

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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