

Converting Colors

XYZ(23.1543, 39.5072, 13.9976)

Have a look what the booklet for
XYZ(23.1543, 39.5072, 13.9976)
contains.

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Color

**XYZ(23.1393, 39.4186,
13.9784)**

Conversions

Conversions Part 1

Format	Color
Hex	4DBF50
RGB	77, 191, 80
RGB Percent	30%, 75%, 31%
CMY	0.6980, 0.2510, 0.6863
CMYK	0.60, 0.00, 0.58, 0.25
HSL	122°, 47%, 53%
HSV	122°, 60%, 75%
XYZ	23.1393, 39.4186, 13.9784
YIQ	144.2600, -32.3130, -58.6890

Conversions

Conversions Part 2

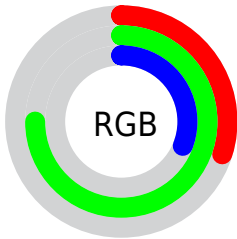
Format	Color
RYB	77, 188, 191
Decimal	5095248
CIELab	69.05, -54.40, 45.75
CIELCh	69, 71.084, 139.938
Yxy	39.4186, 0.3023, 0.5150
Android (android.graphics.Color)	4283285328 (0xFF4DBF50)
YUV	144.2600, -31.6802, -58.9870
Hunter-Lab	62.7842, -44.0857, 30.7485

Details

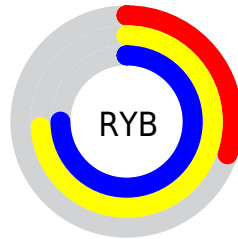
The XYZ color **23.1393, 39.4186, 13.9784** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **33.2178, 20.0154, 49.6897**, and the grayscale version is **26.7481, 28.1410, 30.6456**.

A 20% lighter version of the original color is **47.8856, 74.0350, 33.5961**, and **9.0020, 17.6875, 3.9765** is the 20% darker color. If you saturate the color by 10%, you get **21.2240, 38.5011, 10.7853**, and if you desaturate by 10%, it is **25.6991, 40.6487, 18.1960**.

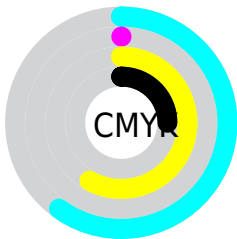
Distribution



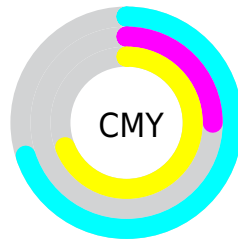
- Red (30%)
- Green (75%)
- Blue (31%)



- Red (30%)
- Yellow (74%)
- Blue (75%)



- Cyan (60%)
- Magenta (0%)
- Yellow (58%)
- Black (25%)





- Cyan (70%)
- Magenta (25%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.1393, 39.4186, 13.9784 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 23.1393, 39.4186, 13.9784 by changing the saturation by 10% instead.


 23.1393, 39.4186,
13.9784


 23.1393, 39.4186,
13.9784


260.9617,
343.6669, 228.5202


 14.8177, 27.0855,
7.9671

 48.0869, 74.2774,
33.7673

 8.7770, 17.6375,
3.9864


 65.4436, 97.5718,
48.3819


 4.6520, 10.6900,
1.6179


 86.5427, 125.2889,
66.7013

 2.0772, 5.8588,
0.3035

 111.7496,
157.8130, 89.1442

 0.6768, 2.7594,
0.0000

 141.4296,
195.5284, 116.1290

 0.0000, 1.0075,
0.0000

175.9480,

 0.0000, 0.0000,

238.8196, 148.0742

0.0000

215.6702,
288.0710, 185.3984

■ 23.1393, 39.4186,
13.9784

■ 23.1393, 39.4186,
13.9784

■ 21.2240, 38.5011,
10.7853

■ 25.6991, 40.6487,
18.1960

■ 19.8933, 37.8637,
8.5271

■ 28.9508, 42.2107,
23.5122

■ 19.0811, 37.4757,
7.1036

■ 32.9405, 44.1281,
29.9976

■ 18.6699, 37.2794,
6.3729

■ 37.7098, 46.4208,
37.7159

■ 18.6592, 37.2743,
6.3557

■ 43.2970, 49.1075,
46.7263

■ 49.7378, 52.2053,
57.0843

■ 57.0661, 55.7305,
68.8420

■ 65.3137, 59.6985,
82.0488

■ 74.5109, 64.1239,
96.7517

Harmonies

Analogous

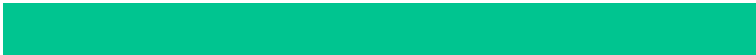
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.5150, 39.4186, 6.9218



23.1393, 39.4186, 13.9784



19.8438, 39.4186, 32.9130

Triad

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



23.1393, 39.4186, 13.9784



33.7862, 39.4186, 138.3731



61.9146, 39.4186, 24.9606

Complementary

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



23.1393, 39.4186, 13.9784



33.2178, 20.0154, 49.6897

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.



63.2819, 39.4186, 54.7743



23.1393, 39.4186, 13.9784



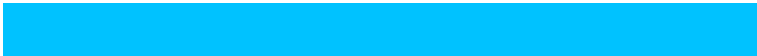
45.4001, 39.4186, 132.3919

Square

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



23.1393, 39.4186, 13.9784



25.1172, 39.4186, 110.6033



56.7435, 39.4186, 96.9274



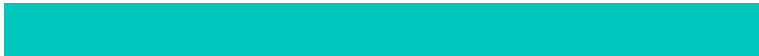
53.3161, 39.4186, 10.6813

Rectangle

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



23.1393, 39.4186, 13.9784



19.8385, 39.4186, 54.6184



56.7435, 39.4186, 96.9274



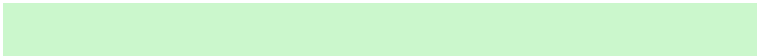
63.2935, 39.4186, 33.0243

Sweetspot

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



23.1403, 39.4202, 13.9793



68.8485, 83.7677, 69.6668



40.9832, 48.6311, 14.2478



14.5197, 18.1067, 14.3308



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.



23.1403, 39.4202, 13.9793



37.0748, 68.5042, 17.7383



26.1291, 40.6158, 29.7185



9.4187, 10.6536, 10.1884



12.2667, 24.4970, 4.2015



0.4840, 0.9610, 0.1831

Inverse Universe

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



33.2178, 20.0154, 49.6897



56.7514, 30.5763, 87.4343



28.3125, 18.0533, 23.8587



9.9188, 9.6918, 11.9615



19.9475, 9.6102, 31.3470



0.7848, 0.3778, 1.2461

Previews

White Background



This preview shows how the XYZ color 23.1393, 39.4186, 13.9784 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 23.1393, 39.4186, 13.9784 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 23.1393, 39.4186, 13.9784

Background



This preview shows how black text looks on a background with the XYZ color 23.1393, 39.4186, 13.9784.



This preview shows how white text looks on a background with the XYZ color 23.1393, 39.4186,

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

23.1393, 39.4186, 13.9784

Protanopia

35.4549, 38.9254, 11.9480

Deuteranopia

39.3781, 38.4967, 14.8063



Tritanopia

31.6834, 39.1385, 56.9235

Trichromacy



Original Color

23.1393, 39.4186, 13.9784



Protanomaly

28.6839, 37.6835, 12.5993



Deuteranomaly

30.3432, 37.0668, 14.3595



Tritanomaly

27.4026, 38.5998, 36.1432

Monochromacy



Original Color

23.1393, 39.4186, 13.9784



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.9418, 30.8633, 22.7845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.1393, 39.4186, 13.9784 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(77, 191, 80)` looks like.

```
.text, #text, p{  
    color:rgb(77, 191, 80)  
}
```

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(77, 191, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 191, 80) }
```

Border

The CSS property to change the border of an element to XYZ 23.1393, 39.4186, 13.9784 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(77, 191, 80) }
```


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

```
.border{ border-color:rgb(77, 191, 80) }
```

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

Here you see how a box with a 4 pixel rgb(77, 191, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 191, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 191, 80);  
box-shadow:4px 4px 4px 4px rgb(77, 191,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 23.1393, 39.4186, 13.9784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 191, 80) }
```

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

```
.background{ background-color: rgb(77, 191,  
80) }
```

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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