

Converting Colors

XYZ(24.8525, 39.2668, 17.4127)

Have a look what the booklet for
XYZ(24.8525, 39.2668, 17.4127)
contains.

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Color

**XYZ(24.8139, 39.2439,
17.3333)**

Conversions

Conversions Part 1

Format	Color
Hex	5FBC60
RGB	95, 188, 96
RGB Percent	37%, 74%, 38%
CMY	0.6274, 0.2627, 0.6235
CMYK	0.49, 0.00, 0.49, 0.26
HSL	121°, 41%, 55%
HSV	121°, 49%, 74%
XYZ	24.8139, 39.2439, 17.3333
YIQ	149.7050, -25.8960, -48.3280

Conversions

Conversions Part 2

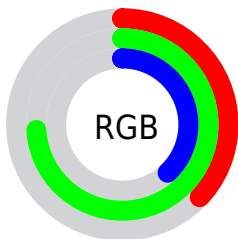
Format	Color
RYB	95, 187, 188
Decimal	6274144
CIELab	68.93, -46.50, 38.03
CIELCh	69, 60.077, 140.723
Yxy	39.2439, 0.3049, 0.4822
Android (android.graphics.Color)	4284464224 (0xFF5FBC60)
YUV	149.7050, -26.4766, -47.9763
Hunter-Lab	62.6450, -38.9241, 27.4465

Details

The XYZ color **24.8139, 39.2439, 17.3333** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **33.8022, 22.4644, 49.5696**, and the grayscale version is **28.9817, 30.4910, 33.2047**.

A 20% lighter version of the original color is **50.7602, 74.0222, 39.6294**, and **9.6779, 17.5875, 5.4694** is the 20% darker color. If you saturate the color by 10%, you get **22.3344, 38.0543, 13.2644**, and if you desaturate by 10%, it is **27.9692, 40.7607, 22.4928**.

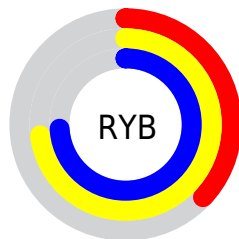
Distribution



Red (37%)

Green (74%)

Blue (38%)



Red (37%)

Yellow (73%)

Blue (74%)

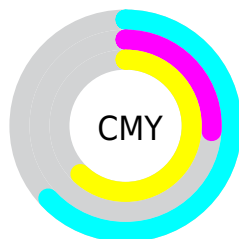


Cyan (49%)

Magenta (0%)

Yellow (49%)

Black (26%)



Cyan (63%)

Magenta (26%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8139, 39.2439, 17.3333 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 24.8139, 39.2439, 17.3333 by changing the saturation by 10% instead.

■ 24.8139, 39.2439,
17.3333

■ 24.8139, 39.2439,
17.3333

269.2746,
342.9263, 249.1945

■ 16.0664, 26.9495,
10.3079

■ 50.8002, 74.0108,
39.6964

■ 9.6623, 17.5353,
5.4953

■ 68.7698, 97.2520,
55.8713

■ 5.2362, 10.6169,
2.4770

■ 90.5442, 124.9111,
75.9330

■ 2.4227, 5.8098,
0.8279

■ 116.4886,
157.3722, 100.3003

■ 0.8564, 2.7298,
0.0000

146.9685,
195.0200, 129.3915

■ 0.0000, 0.9924,
0.0000

182.3493,

■ 0.0000, 0.0000,

238.2386, 163.6252

0.0000

222.9962,
287.4126, 203.4200

■ 24.8139, 39.2439,
17.3333

■ 24.8139, 39.2439,
17.3333

■ 22.3344, 38.0543,
13.2644

■ 27.9692, 40.7607,
22.4928

■ 20.4787, 37.1635,
10.2053

■ 31.8415, 42.6212,
28.8107

■ 19.1922, 36.5462,
8.0687


■ 36.4721, 44.8462,
36.3523


■ 18.4095, 36.1711,
6.7509


■ 41.8985, 47.4539,
45.1773


■ 18.0130, 35.9811,
6.0822


■ 48.1555, 50.4610,
55.3416

 17.9951, 35.9725,
6.0531

 55.2760, 53.8833,
66.8976

 63.2910, 57.7359,
79.8953

 72.2301, 62.0328,
94.3817

 77.2740, 64.4480,
102.9747

Harmonies

Analogous

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



31.1721, 39.2439, 10.0005



24.8139, 39.2439, 17.3333



21.9530, 39.2439, 34.7994

Triad

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



24.8139, 39.2439, 17.3333



34.4172, 39.2439, 118.4911



57.2479, 39.2439, 26.6908

Complementary

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



24.8139, 39.2439, 17.3333



33.8022, 22.4644, 49.5696

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.



58.5184, 39.2439, 51.7822



24.8139, 39.2439, 17.3333



44.1829, 39.2439, 113.2134

Square

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



24.8139, 39.2439, 17.3333



26.8401, 39.2439, 97.7419



53.3983, 39.2439, 85.4235



50.1760, 39.2439, 13.5786

Rectangle

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



24.8139, 39.2439, 17.3333



22.0095, 39.2439, 53.2813



53.3983, 39.2439, 85.4235



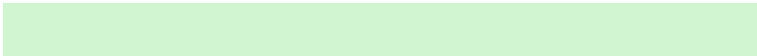
58.4099, 39.2439, 33.6725

Sweetspot

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



24.8149, 39.2455, 17.3342



70.0706, 83.1829, 72.3444



40.7896, 47.4861, 17.8426



14.6347, 17.6797, 14.8519



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.8149, 39.2455, 17.3342



40.2827, 68.8720, 23.7209



27.5486, 40.3391, 31.7300



9.4129, 10.6513, 10.1576



12.2533, 24.4916, 4.1304



0.4814, 0.9599, 0.1694

Inverse Universe

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



33.8022, 22.4644, 49.5696



58.3937, 35.0475, 88.6753



29.6775, 20.8145, 27.8492



9.9254, 9.6945, 11.9963



20.1547, 9.6930, 32.4381



0.7909, 0.3803, 1.2782

Previews

White Background



This preview shows how the XYZ color 24.8139, 39.2439, 17.3333 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 24.8139, 39.2439, 17.3333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

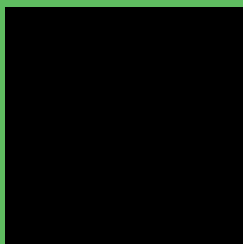
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.8139, 39.2439, 17.3333

Background



This preview shows how black text looks on a background with the XYZ color 24.8139, 39.2439, 17.3333.



This preview shows how white text looks on a background with the XYZ color 24.8139, 39.2439,

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

24.8139, 39.2439, 17.3333

Protanopia

35.3891, 38.5490, 15.0267

Deuteranopia

39.3761, 38.6774, 18.2221



Tritanopia

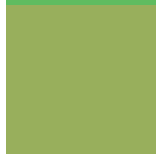
32.4390, 38.9631, 55.6801

Trichromacy



Original Color

24.8139, 39.2439, 17.3333



Protanomaly

30.2106, 38.1081, 15.8885



Deuteranomaly

31.7792, 37.4561, 17.6114



Tritanomaly

28.7940, 38.6702, 37.8448

Monochromacy



Original Color

24.8139, 39.2439, 17.3333



Achromatopsia

28.9890, 30.4987, 33.2131



Achromatomaly

26.5106, 32.9085, 26.0738

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8139, 39.2439, 17.3333 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(95, 188, 96)` looks like.

```
.text, #text, p{  
    color:rgb(95, 188, 96)  
}
```

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(95, 188, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 188, 96) }
```

Border

The CSS property to change the border of an element to XYZ 24.8139, 39.2439, 17.3333 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(95, 188, 96) }
```


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

```
.border{ border-color:rgb(95, 188, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 188, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 188, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 188, 96);  
box-shadow:4px 4px 4px 4px rgb(95, 188,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8139, 39.2439, 17.3333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 188, 96) }
```

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

```
.background{ background-color: rgb(95, 188,  
96) }
```

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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