

Converting Colors

XYZ(23.9146, 44.0690, 11.3666)

Have a look what the booklet for
XYZ(23.9146, 44.0690, 11.3666)
contains.

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Color

**XYZ(23.8327, 43.8975,
11.3546)**

Conversions

Conversions Part 1

Format	Color
Hex	39CB3B
RGB	57, 203, 59
RGB Percent	22%, 80%, 23%
CMY	0.7765, 0.2039, 0.7686
CMYK	0.72, 0.00, 0.71, 0.20
HSL	121°, 58%, 51%
HSV	121°, 72%, 80%
XYZ	23.8327, 43.8975, 11.3546
YIQ	142.9300, -40.7920, -75.7360

Conversions

Conversions Part 2

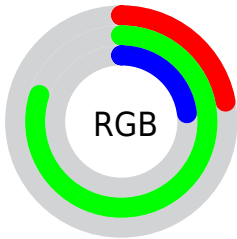
Format	Color
RYB	57, 201, 203
Decimal	3787579
CIELab	72.16, -64.71, 57.86
CIELCh	72, 86.803, 138.196
Yxy	43.8975, 0.3014, 0.5551
Android (android.graphics.Color)	4281977659 (0xFF39CB3B)
YUV	142.9300, -41.3775, -75.3606
Hunter-Lab	66.2552, -51.7382, 36.2177

Details

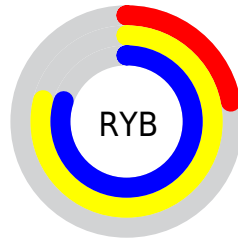
The XYZ color **23.8327, 43.8975, 11.3546** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **36.6353, 19.8404, 57.1567**, and the grayscale version is **26.2531, 27.6203, 30.0786**.

A 20% lighter version of the original color is **47.2547, 77.0949, 28.3098**, and **10.4337, 20.8674, 3.4779** is the 20% darker color. If you saturate the color by 10%, you get **22.4750, 43.2478, 9.0811**, and if you desaturate by 10%, it is **25.8540, 44.8689, 14.7001**.

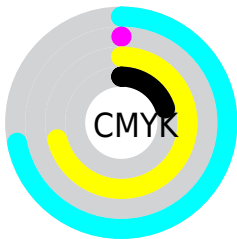
Distribution



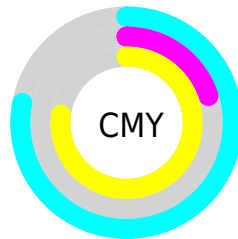
- Red (22%)
- Green (80%)
- Blue (23%)



- Red (22%)
- Yellow (79%)
- Blue (80%)



- Cyan (72%)
- Magenta (0%)
- Yellow (71%)
- Black (20%)



- Cyan (78%)
- Magenta (20%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8327, 43.8975, 11.3546 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 23.8327, 43.8975, 11.3546 by changing the saturation by 10% instead.

■ 23.8327, 43.8975,
11.3546

■ 23.8327, 43.8975,
11.3546

264.4298,
362.2898, 210.9084

■ 15.3336, 30.5899,
6.1887

■ 49.2137, 81.0635,
28.9606

■ 9.1417, 20.2868,
2.8895

■ 66.8264, 105.6907,
42.2379

■ 4.8916, 12.6037,
1.0385

■ 88.2076, 134.8599,
59.0560

■ 2.2179, 7.1562,
0.0000

■ 113.7228,
168.9555, 79.8335

■ 0.7521, 3.5600,
0.0000

■ 143.7372,
208.3619, 104.9890

■ 0.0000, 1.4306,
0.0000

178.6163,

■ 0.0000, 0.2391,

253.4635, 134.9409

0.0000

218.7253,
304.6447, 170.1079

■ 0.0000, 0.0000,
0.0000

■ 23.8327, 43.8975,
11.3546

■ 23.8327, 43.8975,
11.3546

■ 22.4750, 43.2478,
9.0811

■ 25.8540, 44.8689,
14.7001

■ 21.6946, 42.8742,
7.7465


■ 28.6054, 46.1900,
19.2244


■ 21.3721, 42.7197,
7.1993


■ 32.1487, 47.8919,
25.0245

■ 36.5384, 50.0009,
32.1866

■ 41.8243, 52.5409,
40.7895

 48.0520, 55.5340,
50.9060

 55.2644, 59.0007,
62.6038

 63.5015, 62.9603,
75.9468

 72.8012, 67.4310,
90.9949

Harmonies

Analogous

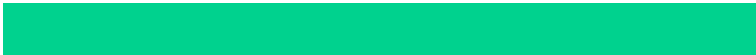
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.4163, 43.8975, 4.5764



23.8327, 43.8975, 11.3546



19.5270, 43.8975, 32.9269

Triad

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



23.8327, 43.8975, 11.3546



36.1435, 43.8975, 181.1083



75.2068, 43.8975, 26.5148

Complementary

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



23.8327, 43.8975, 11.3546



36.6353, 19.8404, 57.1567

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.



76.4358, 43.8975, 66.5805



23.8327, 43.8975, 11.3546



51.3041, 43.8975, 175.4244

Square

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



23.8327, 43.8975, 11.3546



25.4188, 43.8975, 138.5108



66.8725, 43.8975, 125.7961



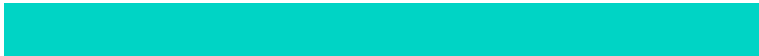
63.8319, 43.8975, 9.0535

Rectangle

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



23.8327, 43.8975, 11.3546



19.3392, 43.8975, 60.4476



66.8725, 43.8975, 125.7961



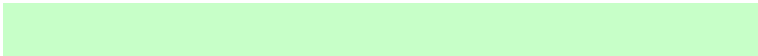
76.9047, 43.8975, 37.0472

Sweetspot

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



23.8337, 43.8993, 11.3556



69.6735, 87.8032, 67.7172



46.7250, 55.7061, 12.1607



14.3629, 18.5291, 13.5995



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.



23.8337, 43.8993, 11.3556



36.8386, 72.0343, 13.8568



27.0736, 45.1953, 28.4165



11.0742, 12.5394, 11.9482



13.6033, 27.1866, 4.5959



0.7040, 1.4034, 0.2489

Inverse Universe

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



36.6353, 19.8404, 57.1567



59.4309, 29.5313, 94.6546



30.1222, 17.2351, 22.8590



11.6807, 11.4010, 14.1190



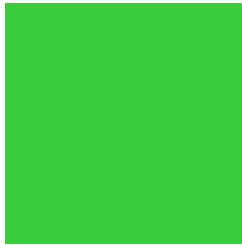
22.3270, 10.7414, 35.7703



1.1540, 0.5550, 1.8568

Previews

White Background



This preview shows how the XYZ color 23.8327, 43.8975, 11.3546 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 23.8327, 43.8975, 11.3546 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 23.8327, 43.8975, 11.3546

Background



This preview shows how black text looks on a background with the XYZ color 23.8327, 43.8975, 11.3546.



This preview shows how white text looks on a background with the XYZ color 23.8327, 43.8975,

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

23.8327, 43.8975, 11.3546

Protanopia

39.1711, 43.1689, 9.5167

Deuteranopia

43.9019, 43.0107, 12.1189



Tritanopia

34.4699, 43.8314, 64.4012

Trichromacy



Original Color

23.8327, 43.8975, 11.3546



Protanomaly

30.1026, 41.5046, 10.0391



Deuteranomaly

31.6325, 40.4187, 11.4446



Tritanomaly

28.7499, 43.1362, 36.5166

Monochromacy



Original Color

23.8327, 43.8975, 11.3546



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

23.0619, 31.5249, 20.1987

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8327, 43.8975, 11.3546 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(57, 203, 59)` looks like.

```
.text, #text, p{  
    color:rgb(57, 203, 59)  
}
```

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(57, 203, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 203, 59) }
```

Border

The CSS property to change the border of an element to XYZ 23.8327, 43.8975, 11.3546 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(57, 203, 59) }
```


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

```
.border{ border-color:rgb(57, 203, 59) }
```

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

Here you see how a box with a 4 pixel rgb(57, 203, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 203, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 203, 59);  
box-shadow:4px 4px 4px 4px rgb(57, 203,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8327, 43.8975, 11.3546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 203, 59) }
```

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

```
.background{ background-color: rgb(57, 203,  
59) }
```

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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