

Converting Colors

XYZ(23.6031, 43.9898, 17.7835)

Have a look what the booklet for
XYZ(23.6031, 43.9898, 17.7835)
contains.

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Color

**XYZ(23.6132, 43.9939,
17.8368)**

Conversions

Conversions Part 1

Format	Color
Hex	00CC5E
RGB	0, 204, 94
RGB Percent	0%, 80%, 37%
CMY	1.0000, 0.2000, 0.6314
CMYK	1.00, 0.00, 0.54, 0.20
HSL	148°, 100%, 40%
HSV	148°, 100%, 80%
XYZ	23.6132, 43.9939, 17.8368
YIQ	130.4640, -86.2740, -77.4580

Conversions

Conversions Part 2

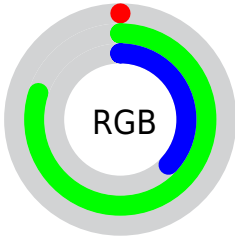
Format	Color
RYB	0, 140, 204
Decimal	52318
CIELab	72.22, -65.96, 42.68
CIELCh	72, 78.559, 147.094
Yxy	43.9939, 0.2764, 0.5149
Android (android.graphics.Color)	4278242398 (0xFF00CC5E)
YUV	130.4640, -17.9768, -114.4169
Hunter-Lab	66.3279, -52.5266, 30.4853

Details

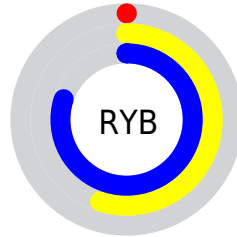
The XYZ color **23.6132, 43.9939, 17.8368** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **27.7175, 13.9638, 15.9872**, and the grayscale version is **21.4673, 22.5853, 24.5954**.

A 20% lighter version of the original color is **46.5059, 76.4514, 39.9092**, and **11.0259, 21.3542, 5.8262** is the 20% darker color. If you saturate the color by 10%, you get **23.6142, 43.9956, 17.8375**, and if you desaturate by 10%, it is **24.4405, 44.3604, 20.6398**.

Distribution



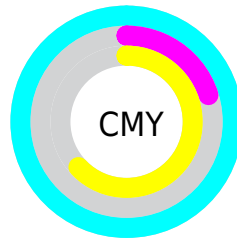
- Red (0%)
- Green (80%)
- Blue (37%)



- Red (0%)
- Yellow (55%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (54%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6132, 43.9939, 17.8368 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 23.6132, 43.9939, 17.8368 by changing the saturation by 10% instead.


 23.6132, 43.9939,
17.8368


 23.6132, 43.9939,
17.8368


263.3360,
362.6834, 252.1547


 15.1701, 30.6657,
10.6647


 48.8575, 81.2086,
40.5692


 9.0260, 20.3444,
5.7305


 66.3895, 105.8638,
56.9666


 4.8154, 12.6457,
2.6158


 87.6818, 135.0636,
77.2761

 2.1730, 7.1850,
0.9006

 113.0998,
169.1922, 101.9163

 0.7284, 3.5781,
0.0000

 143.0089,
208.6341, 131.3057

 0.0000, 1.4405,
0.0000

177.7744,

 0.0000, 0.2463,

253.7737, 165.8629

0.0000

217.7616,
304.9953, 206.0064

■ 0.0000, 0.0000,
0.0000

■ 23.6132, 43.9939,
17.8368

■ 23.6132, 43.9939,
17.8368

■ 23.6142, 43.9956,
17.8375

■ 24.4405, 44.3604,
20.6398

■ 25.6530, 44.9159,
23.8416

■ 27.3618, 45.7184,
27.4624

■ 29.6268, 46.7987,
31.5178

■ 32.4989, 48.1826,
36.0228

■ 36.0228, 49.8929,
40.9914

■ 40.2389, 51.9502,
46.4369

■ 45.1841, 54.3733,
52.3722

■ 50.8928, 57.1797,
58.8094

Harmonies

Analogous

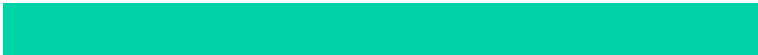
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.0876, 43.9939, 7.5520



23.6132, 43.9939, 17.8368



20.9060, 43.9939, 44.2370

Triad

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



23.6132, 43.9939, 17.8368



40.5148, 43.9939, 166.8292



69.3888, 43.9939, 21.4269

Complementary

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



23.6132, 43.9939, 17.8368



27.7175, 13.9638, 15.9872

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.



73.4033, 43.9939, 51.7637



23.6132, 43.9939, 17.8368



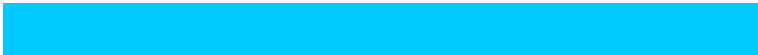
54.7632, 43.9939, 149.0100

Square

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



23.6132, 43.9939, 17.8368



29.2573, 43.9939, 141.1352



67.5636, 43.9939, 100.5919



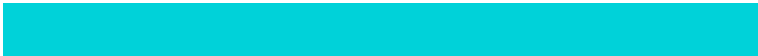
57.5324, 43.9939, 8.7041

Rectangle

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



23.6132, 43.9939, 17.8368



21.6141, 43.9939, 73.1970



67.5636, 43.9939, 100.5919



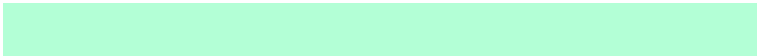
71.7976, 43.9939, 29.2304

Sweetspot

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



23.6143, 43.9957, 17.8378



66.3407, 85.8865, 76.5323



28.3017, 46.6456, 7.5119



13.5347, 18.0584, 15.5385



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.



23.6143, 43.9957, 17.8378



39.0004, 72.8161, 28.9835



31.3093, 47.0737, 58.3593



11.2795, 12.6215, 13.0291



14.9084, 27.7087, 11.4686



0.8073, 1.4447, 0.7926

Inverse Universe

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



27.7175, 13.9638, 15.9872



45.7913, 23.0805, 25.8970



24.9588, 12.8603, 1.4598



11.4610, 11.3131, 12.9623



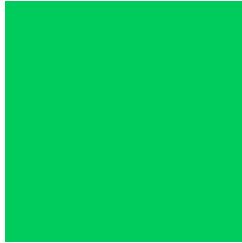
17.4925, 8.8076, 10.3121



0.9405, 0.4696, 0.7324

Previews

White Background



This preview shows how the XYZ color 23.6132, 43.9939, 17.8368 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 23.6132, 43.9939, 17.8368 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 23.6132, 43.9939, 17.8368

Background



This preview shows how black text looks on a background with the XYZ color 23.6132, 43.9939, 17.8368.



This preview shows how white text looks on a background with the XYZ color 23.6132, 43.9939,

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

23.6132, 43.9939, 17.8368

Protanopia

39.4132, 43.1759, 14.8508

Deuteranopia

43.9419, 43.1509, 19.1097



Tritanopia

33.3366, 43.8665, 65.7415

Trichromacy



Original Color

23.6132, 43.9939, 17.8368



Protanomaly

27.4887, 40.0333, 15.5109



Deuteranomaly

28.9775, 39.2021, 18.0961



Tritanomaly

27.9383, 42.9111, 42.8866

Monochromacy



Original Color

23.6132, 43.9939, 17.8368



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

18.8351, 27.2373, 21.0942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6132, 43.9939, 17.8368 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(0, 204, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 94)  
}
```

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(0, 204, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 94) }
```

Border

The CSS property to change the border of an element to XYZ 23.6132, 43.9939, 17.8368 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(0, 204, 94) }
```


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

```
.border{ border-color:rgb(0, 204, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 204, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 94)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.6132, 43.9939, 17.8368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 94) }
```

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

```
.background{ background-color: rgb(0, 204,  
94) }
```

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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