

Converting Colors

XYZ(23.5674, 43.9760, 17.5990)

Have a look what the booklet for
XYZ(23.5674, 43.9760, 17.5990)
contains.

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Color

**XYZ(23.5686, 43.9760,
17.6020)**

Conversions

Conversions Part 1

Format	Color
Hex	00CC5D
RGB	0, 204, 93
RGB Percent	0%, 80%, 36%
CMY	1.0000, 0.2000, 0.6353
CMYK	1.00, 0.00, 0.54, 0.20
HSL	147°, 100%, 40%
HSV	147°, 100%, 80%
XYZ	23.5686, 43.9760, 17.6020
YIQ	130.3500, -85.9530, -77.7690

Conversions

Conversions Part 2

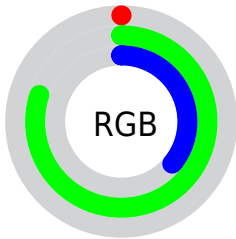
Format	Color
RYB	0, 140, 204
Decimal	52317
CIELab	72.21, -66.10, 43.14
CIELCh	72, 78.933, 146.871
Yxy	43.9760, 0.2768, 0.5165
Android (android.graphics.Color)	4278242397 (0xFF00CC5D)
YUV	130.3500, -18.4135, -114.3169
Hunter-Lab	66.3144, -52.6101, 30.6826

Details

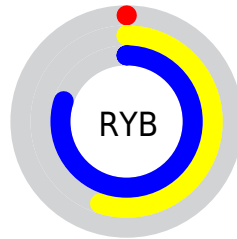
The XYZ color **23.5686, 43.9760, 17.6020** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **27.7724, 13.9858, 16.2761**, and the grayscale version is **21.4284, 22.5443, 24.5508**.

A 20% lighter version of the original color is **46.4278, 76.4201, 39.4977**, and **11.0078, 21.3470, 5.7307** is the 20% darker color. If you saturate the color by 10%, you get **23.5695, 43.9777, 17.6024**, and if you desaturate by 10%, it is **24.3944, 44.3420, 20.3974**.

Distribution



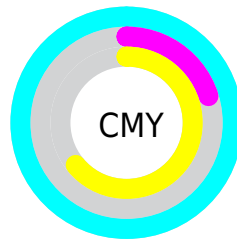
- Red (0%)
- Green (80%)
- Blue (36%)



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



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





- Cyan (100%)
- Magenta (20%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5686, 43.9760, 17.6020 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 23.5686, 43.9760, 17.6020 by changing the saturation by 10% instead.


 23.5686, 43.9760,
17.6020


 23.5686, 43.9760,
17.6020


263.1133,
362.6103, 250.7784


 15.1369, 30.6516,
10.4981


 48.7851, 81.1816,
40.1627


 9.0025, 20.3337,
5.6206


 66.3007, 105.8317,
56.4566


 4.7999, 12.6379,
2.5507


 87.5749, 135.0258,
76.6510

 2.1639, 7.1797,
0.8669

 112.9731,
169.1483, 101.1644

 0.7236, 3.5747,
0.0000

 142.8607,
208.5836, 130.4152

 0.0000, 1.4386,
0.0000

177.6030,

 0.0000, 0.2449,

253.7161, 164.8222

0.0000

217.5654,
304.9302, 204.8037

■ 0.0000, 0.0000,
0.0000

■ 23.5686, 43.9760,
17.6020

■ 23.5686, 43.9760,
17.6020

■ 23.5695, 43.9777,
17.6024

■ 24.3944, 44.3420,
20.3974

■ 25.6067, 44.8973,
23.5977

■ 27.3164, 45.7002,
27.2230

■ 29.5836, 46.7814,
31.2898

■ 32.4592, 48.1667,
35.8132

■ 35.9881, 49.8790,
40.8076

■ 40.2106, 51.9389,
46.2868

■ 45.1639, 54.3652,
52.2638

■ 50.8821, 57.1754,
58.7511

Harmonies

Analogous

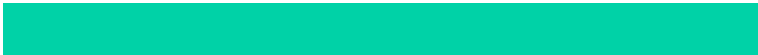
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.1018, 43.9760, 7.4167



23.5686, 43.9760, 17.6020



20.8211, 43.9760, 43.9267

Triad

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



23.5686, 43.9760, 17.6020



40.3928, 43.9760, 167.5618



69.5839, 43.9760, 21.4730

Complementary

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



23.5686, 43.9760, 17.6020



27.7724, 13.9858, 16.2761

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.



73.5503, 43.9760, 52.0687



23.5686, 43.9760, 17.6020



54.7018, 43.9760, 149.9226

Square

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



23.5686, 43.9760, 17.6020



29.1241, 43.9760, 141.3796



67.6067, 43.9760, 101.2768



57.6999, 43.9760, 8.6536

Rectangle

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



23.5686, 43.9760, 17.6020



21.5081, 43.9760, 72.9401



67.6067, 43.9760, 101.2768



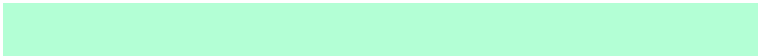
71.9852, 43.9760, 29.3419

Sweetspot

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



23.5697, 43.9778, 17.6030



66.2929, 85.8674, 76.2805



28.3018, 46.6455, 7.5120



13.5235, 18.0539, 15.4793



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.



23.5697, 43.9778, 17.6030



38.9269, 72.7868, 28.5966



31.3093, 47.0736, 58.3593



11.2772, 12.6206, 13.0169



14.8801, 27.6974, 11.3197



0.8058, 1.4441, 0.7847

Inverse Universe

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



27.7724, 13.9858, 16.2761



45.8820, 23.1168, 26.3746



24.9588, 12.8603, 1.4599



11.4634, 11.3141, 12.9747



17.5270, 8.8214, 10.4938



0.9422, 0.4703, 0.7415

Previews

White Background



This preview shows how the XYZ color 23.5686, 43.9760, 17.6020 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 23.5686, 43.9760, 17.6020 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

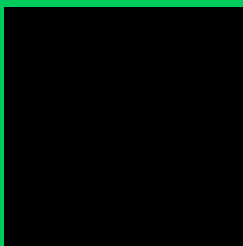
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

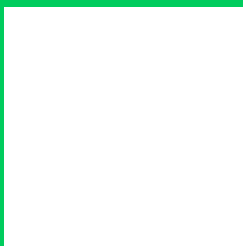
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5686, 43.9760, 17.6020

Background



This preview shows how black text looks on a background with the XYZ color 23.5686, 43.9760, 17.6020.



This preview shows how white text looks on a background with the XYZ color 23.5686, 43.9760,

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

23.5686, 43.9760, 17.6020

Protanopia

39.3737, 43.1601, 14.6430

Deuteranopia

43.8914, 43.1307, 18.8437



Tritanopia

33.4204, 43.9097, 65.7455

Trichromacy



Original Color

23.5686, 43.9760, 17.6020



Protanomaly

27.4476, 40.0169, 15.2942



Deuteranomaly

28.9293, 39.1828, 17.8427



Tritanomaly

27.9881, 42.9368, 42.8889

Monochromacy



Original Color

23.5686, 43.9760, 17.6020



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 23.5686, 43.9760, 17.6020 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, 93)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 93)  
}
```

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, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 93) }
```

Border

The CSS property to change the border of an element to XYZ 23.5686, 43.9760, 17.6020 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, 93) }
```


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

```
.border{ border-color:rgb(0, 204, 93) }
```

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, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 93);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 93)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.5686, 43.9760, 17.6020 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, 93) }
```

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

```
.background{ background-color: rgb(0, 204,  
93) }
```

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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