

Converting Colors

XYZ(23.6593, 44.5835, 15.6554)

Have a look what the booklet for
XYZ(23.6593, 44.5835, 15.6554)
contains.

XYZ(23.5696, 44.3739, 15.7103)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.5696, 44.3739,
15.7103)**

Conversions

Conversions Part 1

Format	Color
Hex	0BCD54
RGB	11, 205, 84
RGB Percent	4%, 80%, 33%
CMY	0.9568, 0.1961, 0.6706
CMYK	0.95, 0.00, 0.59, 0.20
HSL	143°, 90%, 42%
HSV	143°, 95%, 80%
XYZ	23.5696, 44.3739, 15.7103
YIQ	133.2000, -76.7830, -78.7590

Conversions

Conversions Part 2

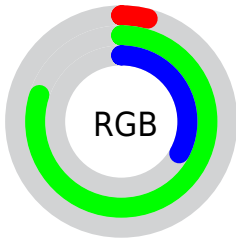
Format	Color
RYB	11, 152, 205
Decimal	773460
CIELab	72.48, -67.24, 47.65
CIELCh	72, 82.412, 144.677
Yxy	44.3739, 0.2818, 0.5304
Android (android.graphics.Color)	4278963540 (0xFF0BCD54)
YUV	133.2000, -24.2556, -107.1694
Hunter-Lab	66.6137, -53.4163, 32.6466

Details

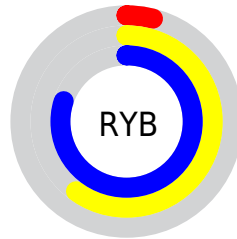
The XYZ color **23.5696, 44.3739, 15.7103** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **29.4630, 14.8854, 23.1532**, and the grayscale version is **22.4746, 23.6451, 25.7495**.

A 20% lighter version of the original color is **46.1011, 76.3294, 35.9702**, and **10.9818, 21.5886, 4.8165** is the 20% darker color. If you saturate the color by 10%, you get **23.1766, 44.2021, 14.3569**, and if you desaturate by 10%, it is **24.5606, 44.8228, 18.6152**.

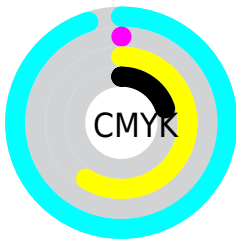
Distribution



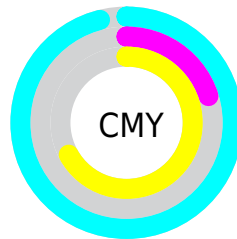
- Red (4%)
- Green (80%)
- Blue (33%)



- Red (4%)
- Yellow (60%)
- Blue (80%)



- Cyan (95%)
- Magenta (0%)
- Yellow (59%)
- Black (20%)




- Cyan (96%)
- Magenta (20%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5696, 44.3739, 15.7103 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 23.5696, 44.3739, 15.7103 by changing the saturation by 10% instead.


 23.5696, 44.3739,
15.7103


 23.5696, 44.3739,
15.7103


263.1183,
364.2319, 239.4132


 15.1377, 30.9646,
9.1673


 48.7867, 81.7801,
36.8543


 9.0030, 20.5719,
4.7521


 66.3026, 106.5457,
52.2923


 4.8003, 12.8114,
2.0464


 87.5773, 135.8656,
71.5325

 2.1641, 7.2988,
0.5836

 112.9759,
170.1240, 94.9932

 0.7237, 3.6497,
0.0000

 142.8640,
209.7055, 123.0931

 0.0000, 1.4796,
0.0000

177.6069,

 0.0000, 0.2743,

254.9944, 156.2507

0.0000

217.5698,
306.3750, 194.8846

■ 0.0000, 0.0000,
0.0000

■ 23.5696, 44.3739,
15.7103

■ 23.5696, 44.3739,
15.7103

■ 23.1766, 44.2021,
14.3569

■ 24.5606, 44.8228,
18.6152

■ 26.0403, 45.5113,
22.0434

■ 28.0783, 46.4759,
26.0215

■ 30.7312, 47.7455,
30.5732

■ 34.0484, 49.3451,
35.7208

■ 38.0741, 51.2970,
41.4851

■ 42.8484, 53.6216,
47.8861

■ 48.4085, 56.3375,
54.9427

■ 54.7888, 59.4622,
62.6732

Harmonies

Analogous

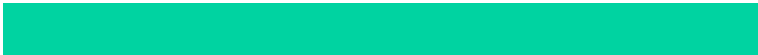
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.7595, 44.3739, 6.3754



23.5696, 44.3739, 15.7103



20.3894, 44.3739, 41.4097

Triad

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



23.5696, 44.3739, 15.7103



39.6902, 44.3739, 175.7426



72.2188, 44.3739, 22.4421

Complementary

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



23.5696, 44.3739, 15.7103



29.4630, 14.8854, 23.1532

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.



75.6779, 44.3739, 55.9496



23.5696, 44.3739, 15.7103



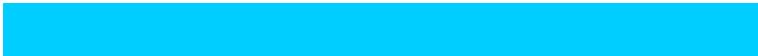
54.6525, 44.3739, 160.1145

Square

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



23.5696, 44.3739, 15.7103



28.2604, 44.3739, 144.5052



68.6491, 44.3739, 109.2043



60.0420, 44.3739, 8.4494

Rectangle

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



23.5696, 44.3739, 15.7103



20.8701, 44.3739, 70.9962



68.6491, 44.3739, 109.2043



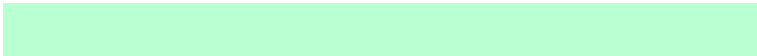
74.5402, 44.3739, 31.0668

Sweetspot

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



23.5707, 44.3757, 15.7113



67.1225, 86.3374, 74.4046



31.7038, 48.7464, 8.0549



13.6464, 18.1290, 14.9540



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.



23.5707, 44.3757, 15.7113



37.8690, 72.3636, 23.0258



30.1209, 46.9958, 50.2044



11.2397, 12.6056, 12.8199



14.4704, 27.5335, 9.1623



0.7831, 1.4350, 0.6653

Inverse Universe

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



29.4630, 14.8854, 23.1532



47.5024, 23.7650, 34.9073



25.6296, 13.3520, 2.9663



11.5016, 11.3294, 13.1760



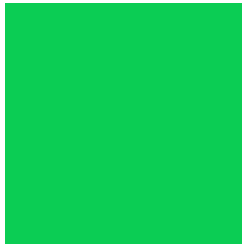
18.1410, 9.0670, 13.7269



0.9720, 0.4822, 0.8982

Previews

White Background



This preview shows how the XYZ color 23.5696, 44.3739, 15.7103 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 23.5696, 44.3739, 15.7103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

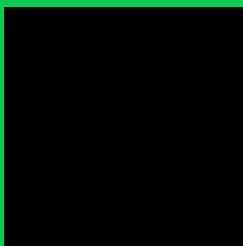
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

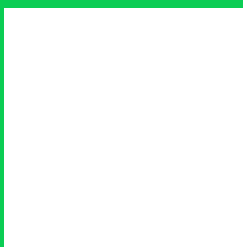
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.5696, 44.3739, 15.7103

Background



This preview shows how black text looks on a background with the XYZ color 23.5696, 44.3739, 15.7103.



This preview shows how white text looks on a background with the XYZ color 23.5696, 44.3739,

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

23.5696, 44.3739, 15.7103

Protanopia

39.5603, 43.2944, 12.9282

Deuteranopia

44.3419, 43.4123, 16.6320



Tritanopia

33.7145, 44.0472, 66.3995

Trichromacy



Original Color

23.5696, 44.3739, 15.7103



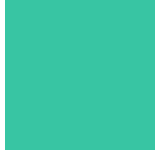
Protanomaly

28.1987, 40.7578, 13.5885



Deuteranomaly

29.3538, 39.4487, 15.7401



Tritanomaly

28.2080, 43.4176, 41.5441

Monochromacy



Original Color

23.5696, 44.3739, 15.7103



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

19.6125, 28.1579, 20.6210

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5696, 44.3739, 15.7103 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(11, 205, 84)` looks like.

```
.text, #text, p{  
    color:rgb(11, 205, 84)  
}
```

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(11, 205, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 205, 84) }
```

Border

The CSS property to change the border of an element to XYZ 23.5696, 44.3739, 15.7103 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(11, 205, 84) }
```


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

```
.border{ border-color:rgb(11, 205, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 205, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 205, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 205, 84);  
box-shadow:4px 4px 4px 4px rgb(11, 205,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5696, 44.3739, 15.7103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 205, 84) }
```

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

```
.background{ background-color: rgb(11, 205,  
84) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor