

Converting Colors

XYZ(23.6057, 44.5491, 16.0764)

Have a look what the booklet for
XYZ(23.6057, 44.5491, 16.0764)
contains.

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Color

**XYZ(23.5110, 44.3345,
16.1224)**

Conversions

Conversions Part 1

Format	Color
Hex	00CD56
RGB	0, 205, 86
RGB Percent	0%, 80%, 34%
CMY	1.0000, 0.1961, 0.6627
CMYK	1.00, 0.00, 0.58, 0.20
HSL	145°, 100%, 40%
HSV	145°, 100%, 80%
XYZ	23.5110, 44.3345, 16.1224
YIQ	130.1390, -83.9810, -80.4690

Conversions

Conversions Part 2

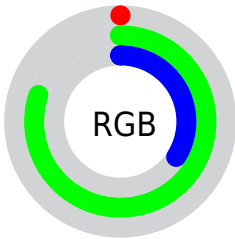
Format	Color
RYB	0, 144, 205
Decimal	52566
CIELab	72.45, -67.39, 46.69
CIELCh	72, 81.985, 145.281
Yxy	44.3345, 0.2800, 0.5280
Android (android.graphics.Color)	4278242646 (0xFF00CD56)
YUV	130.1390, -21.7605, -114.1319
Hunter-Lab	66.5842, -53.4936, 32.2527

Details

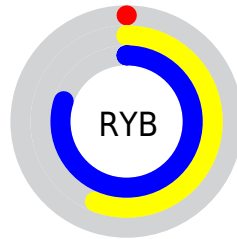
The XYZ color **23.5110, 44.3345, 16.1224** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **28.5079, 14.3117, 18.7139**, and the grayscale version is **21.3644, 22.4770, 24.4775**.

A 20% lighter version of the original color is **46.0137, 76.2676, 36.7221**, and **11.0220, 21.6047, 5.0281** is the 20% darker color. If you saturate the color by 10%, you get **23.5119, 44.3362, 16.1229**, and if you desaturate by 10%, it is **24.3311, 44.6984, 18.8768**.

Distribution



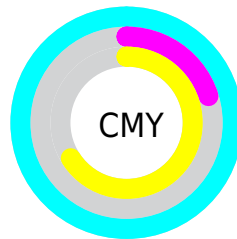
- Red (0%)
- Green (80%)
- Blue (34%)



- Red (0%)
- Yellow (56%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.5110, 44.3345, 16.1224 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 23.5110, 44.3345, 16.1224 by changing the saturation by 10% instead.


 23.5110, 44.3345,
16.1224


 23.5110, 44.3345,
16.1224


262.8254,
364.0715, 241.9332


 15.0940, 30.9336,
9.4555


 48.6915, 81.7208,
37.5803


 8.9722, 20.5483,
4.9386


 66.1858, 106.4751,
53.2084


 4.7800, 12.7942,
2.1532


 87.4366, 135.7825,
72.6607

 2.1522, 7.2870,
0.6472

 112.8093,
170.0275, 96.3556

 0.7174, 3.6422,
0.0000

 142.6691,
209.5945, 124.7118

 0.0000, 1.4755,
0.0000

177.3815,

 0.0000, 0.2714,

254.8679, 158.1478

0.0000

217.3119,
306.2321, 197.0821

■ 0.0000, 0.0000,
0.0000

■ 23.5110, 44.3345,
16.1224

■ 23.5110, 44.3345,
16.1224

■ 23.5119, 44.3362,
16.1229

■ 24.3311, 44.6984,
18.8768

■ 25.5506, 45.2574,
22.0849

■ 27.2824, 46.0704,
25.7710

■ 29.5879, 47.1686,
29.9549

■ 32.5190, 48.5787,
34.6553

■ 36.1219, 50.3239,
39.8895

■ 40.4379, 52.4253,
45.6743

■ 45.5050, 54.9022,
52.0255

■ 51.3585, 57.7724,
58.9582

Harmonies

Analogous

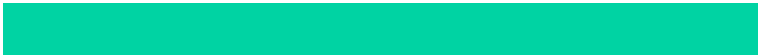
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.5627, 44.3345, 6.5512



23.5110, 44.3345, 16.1224



20.4378, 44.3345, 42.1473

Triad

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



23.5110, 44.3345, 16.1224



39.9417, 44.3345, 174.8574



71.8085, 44.3345, 22.0735

Complementary

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



23.5110, 44.3345, 16.1224



28.5079, 14.3117, 18.7139

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.



75.4516, 44.3345, 54.9647



23.5110, 44.3345, 16.1224



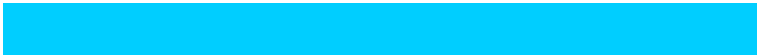
54.8468, 44.3345, 158.4352

Square

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



23.5110, 44.3345, 16.1224



28.4747, 44.3345, 144.7075



68.6651, 44.3345, 107.5766



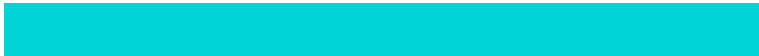
59.5950, 44.3345, 8.3923

Rectangle

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



23.5110, 44.3345, 16.1224



20.9790, 44.3345, 71.8364



68.6651, 44.3345, 107.5766



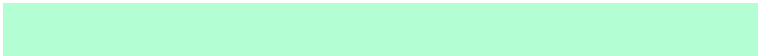
74.1775, 44.3345, 30.5237

Sweetspot

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



23.5121, 44.3363, 16.1234



65.9419, 85.7270, 74.4320



29.5208, 47.6280, 7.6373



13.4410, 18.0209, 15.0448



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.



23.5121, 44.3363, 16.1234



38.4125, 72.5810, 25.8881



30.9007, 47.2918, 55.0315



11.2600, 12.6138, 12.9266



14.6816, 27.6180, 10.2745



0.7950, 1.4398, 0.7280

Inverse Universe

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



28.5079, 14.3117, 18.7139



46.5873, 23.3989, 30.0882



25.2797, 13.0205, 1.7147



11.4808, 11.3210, 13.0664



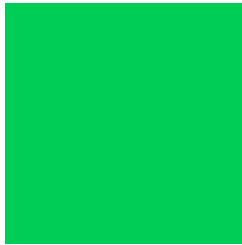
17.7948, 8.9285, 11.9040



0.9554, 0.4756, 0.8108

Previews

White Background



This preview shows how the XYZ color 23.5110, 44.3345, 16.1224 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 23.5110, 44.3345, 16.1224 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 23.5110, 44.3345, 16.1224

Background



This preview shows how black text looks on a background with the XYZ color 23.5110, 44.3345, 16.1224.



This preview shows how white text looks on a background with the XYZ color 23.5110, 44.3345,

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

23.5110, 44.3345, 16.1224

Protanopia

39.6298, 43.3223, 13.2945

Deuteranopia

44.1383, 43.2969, 17.0971



Tritanopia

33.6281, 44.0027, 66.3955

Trichromacy



Original Color

23.5110, 44.3345, 16.1224



Protanomaly

27.6757, 40.4798, 13.9441



Deuteranomaly

28.7722, 39.1388, 16.1633



Tritanomaly

28.0833, 43.3429, 42.0078

Monochromacy



Original Color

23.5110, 44.3345, 16.1224



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

18.6615, 27.1678, 20.1799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5110, 44.3345, 16.1224 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, 205, 86)` looks like.

```
.text, #text, p{  
    color:rgb(0, 205, 86)  
}
```

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, 205, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 205, 86) }
```

Border

The CSS property to change the border of an element to XYZ 23.5110, 44.3345, 16.1224 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, 205, 86) }
```


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

```
.border{ border-color:rgb(0, 205, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 205, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 205, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 205, 86);  
box-shadow:4px 4px 4px 4px rgb(0, 205, 86)  
}
```

Background

The CSS property to change the background color of an element to XYZ 23.5110, 44.3345, 16.1224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 205, 86) }
```

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

```
.background{ background-color: rgb(0, 205,  
86) }
```

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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