

Converting Colors

XYZ(23.0874, 36.8500, 14.4903)

Have a look what the booklet for
XYZ(23.0874, 36.8500, 14.4903)
contains.

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Color

**XYZ(23.0874, 36.8500,
14.4903)**

Conversions

Conversions Part 1

Format	Color
Hex	5DB755
RGB	93, 183, 85
RGB Percent	36%, 72%, 33%
CMY	0.6353, 0.2823, 0.6667
CMYK	0.49, 0.00, 0.54, 0.28
HSL	115°, 40%, 53%
HSV	115°, 54%, 72%
XYZ	23.0874, 36.8500, 14.4903
YIQ	144.9180, -22.1820, -49.5580

Conversions

Conversions Part 2

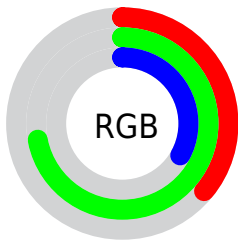
Format	Color
RYB	85, 183, 175
Decimal	6141781
CIELab	67.16, -46.50, 41.28
CIELCh	67, 62.174, 138.403
Yxy	36.8500, 0.3102, 0.4951
Android (android.graphics.Color)	4284331861 (0xFF5DB755)
YUV	144.9180, -29.5396, -45.5321
Hunter-Lab	60.7042, -38.3441, 28.3402

Details

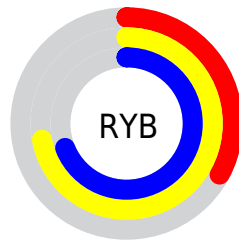
The XYZ color **23.0874, 36.8500, 14.4903** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.4768, 19.0311, 46.9215**, and the grayscale version is **27.0038, 28.4101, 30.9386**.

A 20% lighter version of the original color is **48.0699, 70.5159, 34.7443**, and **8.7493, 16.1289, 4.2422** is the 20% darker color. If you saturate the color by 10%, you get **20.9344, 35.8146, 11.0731**, and if you desaturate by 10%, it is **25.8041, 38.1565, 18.9168**.

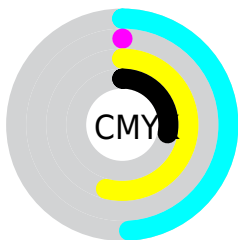
Distribution



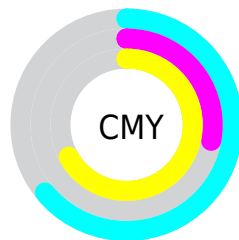
- Red (36%)
- Green (72%)
- Blue (33%)



- Red (33%)
- Yellow (72%)
- Blue (69%)



- Cyan (49%)
- Magenta (0%)
- Yellow (54%)
- Black (28%)



- Cyan (64%)
- Magenta (28%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0874, 36.8500, 14.4903 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 23.0874, 36.8500, 14.4903 by changing the saturation by 10% instead.

■ 23.0874, 36.8500,
14.4903

■ 23.0874, 36.8500,
14.4903

260.7005,
332.6606, 231.7936

■ 14.7791, 25.0914,
8.3198

■ 48.0024, 70.3420,
34.6861

■ 8.7498, 16.1451,
4.2096

■ 65.3398, 92.8442,
49.5484

■ 4.6342, 9.6269,
1.7410

■ 86.4176, 119.6964,
68.1452

■ 2.0668, 5.1523,
0.3886

■ 111.6013,
151.2829, 90.8949

■ 0.6711, 2.3369,
0.0000

■ 141.2560,
187.9882, 118.2160

■ 0.0000, 0.7931,
0.0000

175.7472,

■ 0.0000, 0.0000,

230.1967, 150.5271

0.0000

215.4403,
278.2927, 188.2468

■ 23.0874, 36.8500,
14.4903

■ 23.0874, 36.8500,
14.4903

■ 20.9344, 35.8146,
11.0731

■ 25.8041, 38.1565,
18.9168

■ 19.3027, 35.0268,
8.5835

■ 29.1176, 39.7462,
24.4210

■ 18.1486, 34.4673,
6.9314

■ 33.0615, 41.6364,
31.0679

■ 17.4196, 34.1111,
6.0075

■ 37.6663, 43.8412,
38.9170

■ 17.1302, 33.9694,
5.6539

■ 42.9602, 46.3743,
48.0235

■ 48.9701, 49.2482,
58.4391

■ 55.7213, 52.4750,
70.2128

■ 63.2379, 56.0660,
83.3909

■ 71.5429, 60.0322,
98.0177

Harmonies

Analogous

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



29.5808, 36.8500, 8.1806



23.0874, 36.8500, 14.4903



20.0338, 36.8500, 30.5188

Triad

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



23.0874, 36.8500, 14.4903



31.4873, 36.8500, 116.0427



55.3193, 36.8500, 25.7990

Complementary

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



23.0874, 36.8500, 14.4903



29.4768, 19.0311, 46.9215

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.



56.0821, 36.8500, 51.5573



23.0874, 36.8500, 14.4903



41.0989, 36.8500, 112.8181

Square

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



23.0874, 36.8500, 14.4903



24.2655, 36.8500, 93.1795



50.4977, 36.8500, 85.7063



48.5705, 36.8500, 12.3803

Rectangle

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



23.0874, 36.8500, 14.4903



19.9125, 36.8500, 48.2437



50.4977, 36.8500, 85.7063



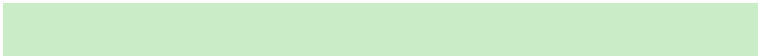
56.3239, 36.8500, 32.9696

Sweetspot

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



23.0883, 36.8516, 14.4911



65.0995, 77.3872, 65.6644



36.4673, 41.3201, 14.6485



13.9985, 16.9105, 13.8547



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.0883, 36.8516, 14.4911



36.9934, 63.9005, 19.0567



24.4361, 37.3020, 25.5955



8.9565, 10.0942, 9.5832



11.9746, 23.7094, 3.9453



0.4451, 0.8477, 0.1402

Inverse Universe

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



29.4768, 19.0311, 46.9215



49.5637, 28.6488, 83.1532



27.6733, 18.5233, 27.7749



9.3067, 9.1245, 11.3501



17.2654, 8.2118, 31.9281



0.6301, 0.3006, 1.1266

Previews

White Background



This preview shows how the XYZ color 23.0874, 36.8500, 14.4903 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 23.0874, 36.8500, 14.4903 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 23.0874, 36.8500, 14.4903

Background



This preview shows how black text looks on a background with the XYZ color 23.0874, 36.8500, 14.4903.



This preview shows how white text looks on a background with the XYZ color 23.0874, 36.8500,

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

23.0874, 36.8500, 14.4903

Protanopia

33.2947, 36.4477, 12.4880

Deuteranopia

36.9418, 36.2212, 15.1696



Tritanopia

30.5549, 36.6276, 51.9138

Trichromacy



Original Color

23.0874, 36.8500, 14.4903



Protanomaly

28.0727, 35.6394, 13.1841



Deuteranomaly

29.7555, 35.1051, 14.6589



Tritanomaly

26.8940, 36.2848, 34.0200

Monochromacy



Original Color

23.0874, 36.8500, 14.4903



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

24.5775, 30.6620, 23.3619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0874, 36.8500, 14.4903 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(93, 183, 85)` looks like.

```
.text, #text, p{  
    color:rgb(93, 183, 85)  
}
```

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(93, 183, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 183, 85) }
```

Border

The CSS property to change the border of an element to XYZ 23.0874, 36.8500, 14.4903 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(93, 183, 85) }
```


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

```
.border{ border-color:rgb(93, 183, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 183, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 183, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 183, 85);  
box-shadow:4px 4px 4px 4px rgb(93, 183,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0874, 36.8500, 14.4903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 183, 85) }
```

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

```
.background{ background-color: rgb(93, 183,  
85) }
```

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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