

Converting Colors

XYZ(16.0844, 24.0789, 16.2939)

Have a look what the booklet for
XYZ(16.0844, 24.0789, 16.2939)
contains.

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Color

**XYZ(16.0474, 23.9501,
16.3474)**

Conversions

Conversions Part 1

Format	Color
Hex	4B9566
RGB	75, 149, 102
RGB Percent	29%, 58%, 40%
CMY	0.7059, 0.4157, 0.6000
CMYK	0.50, 0.00, 0.32, 0.42
HSL	142°, 33%, 44%
HSV	142°, 50%, 58%
XYZ	16.0474, 23.9501, 16.3474
YIQ	121.5160, -29.0170, -30.3050

Conversions

Conversions Part 2

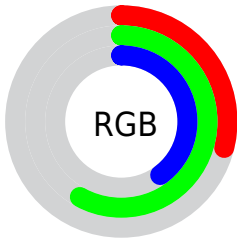
Format	Color
R_{YB}	75, 129, 149
Decimal	4953446
CIE _{Lab}	56.04, -34.16, 17.90
CIE _{LCh}	56, 38.566, 152.338
Yxy	23.9501, 0.2848, 0.4251
Android (android.graphics.Color)	4283143526 (0xFF4B9566)
YUV	121.5160, -9.6214, -40.7945
Hunter-Lab	48.9388, -27.1115, 14.4521

Details

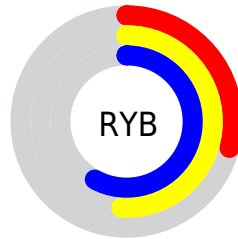
The XYZ color **16.0474, 23.9501, 16.3474** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **18.4242, 12.8274, 19.9182**, and the grayscale version is **18.3787, 19.3358, 21.0567**.

A 20% lighter version of the original color is **36.2447, 50.0748, 37.8921**, and **5.1954, 8.9444, 5.0670** is the 20% darker color. If you saturate the color by 10%, you get **14.5729, 23.2418, 13.9669**, and if you desaturate by 10%, it is **17.8498, 24.8225, 19.0240**.

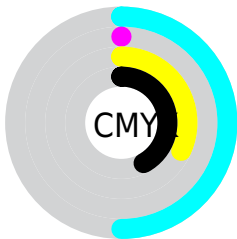
Distribution



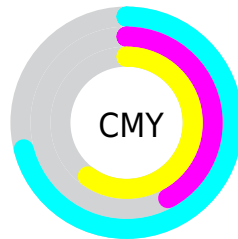
- Red (29%)
- Green (58%)
- Blue (40%)



- Red (29%)
- Yellow (51%)
- Blue (58%)



- Cyan (50%)
- Magenta (0%)
- Yellow (32%)
- Black (42%)



- Cyan (71%)
- Magenta (42%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0474, 23.9501, 16.3474 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 16.0474, 23.9501, 16.3474 by changing the saturation by 10% instead.

■ 16.0474, 23.9501,
16.3474

■ 16.0474, 23.9501,
16.3474

222.8861,
272.5681, 243.2983

■ 9.6488, 15.2966,
9.6133

■ 36.2373, 49.9488,
37.9754

■ 5.2272, 9.0278,
5.0411

■ 50.7592, 68.0627,
53.7064

■ 2.4173, 4.7593,
2.2122

■ 68.7196, 90.0990,
73.2735

■ 0.8537, 2.1068,
0.6814

■ 90.4838, 116.4419,
97.0951

■ 0.0000, 0.6684,
0.0000

■ 116.4172,
147.4758, 125.5899

■ 0.0000, 0.0000,
0.0000

146.8852,

183.5853, 159.1763

182.2530,
225.1546, 198.2729

■ 16.0474, 23.9501,
16.3474

■ 16.0474, 23.9501,
16.3474

■ 14.5729, 23.2418,
13.9669

■ 17.8498, 24.8225,
19.0240

■ 13.4031, 22.6840,
11.8706

■ 19.9972, 25.8659,
22.0050

■ 12.5151, 22.2656,
10.0480


■ 22.5081, 27.0899,
25.3002


■ 11.8811, 21.9726,
8.4873


■ 25.3988, 28.5031,
28.9186


■ 11.4362, 21.7719,
7.1743


■ 28.6848, 30.1130,
32.8687

 11.4224, 21.7656,
7.1343

 32.3804, 31.9270,
37.1588

 36.4996, 33.9522,
41.7968

 41.0554, 36.1950,
46.7905

 46.0604, 38.6617,
52.1473

Harmonies

Analogous

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



18.5215, 23.9501, 10.4668



16.0474, 23.9501, 16.3474



15.2971, 23.9501, 27.0810

Triad

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



16.0474, 23.9501, 16.3474



23.1116, 23.9501, 58.6587



30.7089, 23.9501, 15.1223

Complementary

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



16.0474, 23.9501, 16.3474



18.4242, 12.8274, 19.9182

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.



32.3342, 23.9501, 25.0992



16.0474, 23.9501, 16.3474



27.6091, 23.9501, 52.4579

Square

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



16.0474, 23.9501, 16.3474



19.0487, 23.9501, 54.0527



31.1332, 23.9501, 39.0594



26.9332, 23.9501, 9.9368

Rectangle

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



16.0474, 23.9501, 16.3474



15.7851, 23.9501, 36.4426



31.1332, 23.9501, 39.0594



31.5453, 23.9501, 17.8917

Sweetspot

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



16.0480, 23.9511, 16.3479



42.4792, 49.5734, 48.0606



20.2010, 26.2224, 10.6536



9.2007, 10.8819, 10.3820



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.0480, 23.9511, 16.3479



25.7369, 41.4488, 24.3959



18.2301, 24.8239, 27.8385



5.8118, 6.5013, 6.6201



9.6264, 18.3234, 6.0743



0.1311, 0.2296, 0.1443

Inverse Universe

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



18.4242, 12.8274, 19.9182



30.5036, 19.0703, 31.5111



16.5950, 12.0957, 10.2857



5.9464, 5.8736, 6.8240



12.1708, 6.0734, 9.6463



0.1632, 0.0800, 0.1929

Previews

White Background



This preview shows how the XYZ color 16.0474, 23.9501, 16.3474 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 16.0474, 23.9501, 16.3474 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 × Fail

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

XYZ 16.0474, 23.9501, 16.3474

Background



This preview shows how black text looks on a background with the XYZ color 16.0474, 23.9501, 16.3474.



This preview shows how white text looks on a background with the XYZ color 16.0474, 23.9501,

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

16.0474, 23.9501, 16.3474

Protanopia

21.9547, 23.5306, 14.2112

Deuteranopia

24.0833, 23.5678, 17.1896



Tritanopia

19.5302, 23.7538, 34.1274

Trichromacy



Original Color

16.0474, 23.9501, 16.3474

Protanomaly

19.0450, 23.2690, 15.0429

Deuteranomaly

20.1064, 23.1403, 16.7714

Tritanomaly

18.0659, 23.8391, 26.5709

Monochromacy



Original Color

16.0474, 23.9501, 16.3474

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

17.1715, 20.7436, 19.3185

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0474, 23.9501, 16.3474 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(75, 149, 102)` looks like.

```
.text, #text, p{  
    color:rgb(75, 149, 102)  
}
```

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(75, 149, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 149, 102) }
```

Border

The CSS property to change the border of an element to XYZ 16.0474, 23.9501, 16.3474 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(75, 149, 102) }
```


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

```
.border{ border-color:rgb(75, 149, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 149, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 149, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 149, 102);  
box-shadow:4px 4px 4px 4px rgb(75, 149,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0474, 23.9501, 16.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 149, 102) }
```

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

```
.background{ background-color: rgb(75, 149,  
102) }
```

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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