

Converting Colors

XYZ(15.0025, 16.8600, 42.2023)

Have a look what the booklet for
XYZ(15.0025, 16.8600, 42.2023)
contains.

XYZ(14.9524, 16.8074, 41.9912)	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>	30

Color

**XYZ(14.9524, 16.8074,
41.9912)**

Conversions

Conversions Part 1

Format	Color
Hex	2378AD
RGB	35, 120, 173
RGB Percent	14%, 47%, 68%
CMY	0.8627, 0.5294, 0.3216
CMYK	0.80, 0.31, 0.00, 0.32
HSL	203°, 66%, 41%
HSV	203°, 80%, 68%
XYZ	14.9524, 16.8074, 41.9912
YIQ	100.6270, -67.6730, -1.5370

Conversions

Conversions Part 2

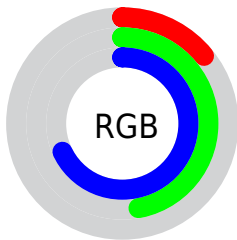
Format	Color
R _Y B	35, 88, 173
Decimal	2324653
CIE Lab	48.02, -6.02, -35.20
CIE LCh	48, 35.716, 260.300
Yxy	16.8074, 0.2027, 0.2279
Android (android.graphics.Color)	4280514733 (0xFF2378AD)
YUV	100.6270, 35.6799, -57.5549
Hunter-Lab	40.9968, -6.6418, -32.0303

Details

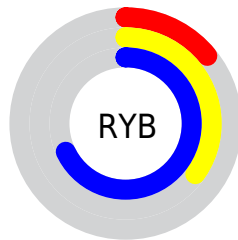
The XYZ color **14.9524, 16.8074, 41.9912** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **21.0278, 15.9867, 3.5684**, and the grayscale version is **12.1983, 12.8336, 13.9758**.

A 20% lighter version of the original color is **34.3749, 37.9870, 79.6492**, and **5.7075, 5.9908, 18.6248** is the 20% darker color. If you saturate the color by 10%, you get **13.7320, 15.0330, 41.7134**, and if you desaturate by 10%, it is **16.5188, 18.8430, 42.3019**.

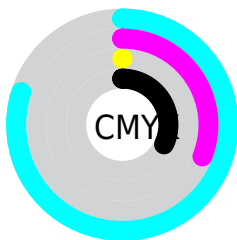
Distribution



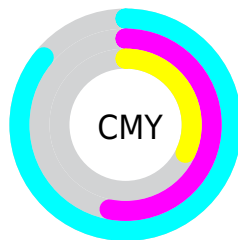
- Red (14%)
- Green (47%)
- Blue (68%)



- Red (14%)
- Yellow (35%)
- Blue (68%)



- Cyan (80%)
- Magenta (31%)
- Yellow (0%)
- Black (32%)



- Cyan (86%)
- Magenta (53%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9524, 16.8074, 41.9912 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 14.9524, 16.8074, 41.9912 by changing the saturation by 10% instead.

■ 14.9524, 16.8074,
41.9912

■ 14.9524, 16.8074,
41.9912

216.4720,
234.0600, 370.2450

■ 8.8721, 10.0973,
28.7689

■ 34.3420, 37.9943,
79.4563

■ 4.7143, 5.4635,
18.6620

■ 48.3820, 53.2399,
104.5361

■ 2.1136, 2.5217,
11.2520

■ 65.8059, 72.0995,
134.4055

■ 0.6966, 0.8875,
6.1203

■ 86.9791, 94.9573,
169.4830

■ 0.0000, 0.0000,
2.8484

■ 112.2670,
122.1979, 210.1872

■ 0.0000, 0.0000,
1.0177

■ 142.0349,

■ 0.0000, 0.0000,

154.2056, 256.9365

0.0000

176.6481,
191.3649, 310.1496

■ 14.9524, 16.8074,
41.9912

■ 14.9524, 16.8074,
41.9912

■ 13.7320, 15.0330,
41.7134

■ 16.5188, 18.8430,
42.3019

■ 12.7758, 13.4753,
41.4631

■ 18.4681, 21.1596,
42.6463

■ 12.7543, 13.4399,
41.4574

■ 20.8337, 23.7763,
43.0267

■ 23.6448, 26.7098,
43.4448

■ 26.9278, 29.9751,
43.9020

■ 30.7069, 33.5861,
44.3998

■ 35.0044, 37.5557,
44.9395

■ 39.8414, 41.8962,
45.5224

■ 45.2376, 46.6190,
46.1496

Harmonies

Analogous

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



12.3311, 16.8074, 35.6547



14.9524, 16.8074, 41.9912



18.2251, 16.8074, 40.5307

Triad

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



14.9524, 16.8074, 41.9912



22.5277, 16.8074, 12.8030



11.6617, 16.8074, 9.1364

Complementary

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



14.9524, 16.8074, 41.9912



21.0278, 15.9867, 3.5684

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.



13.9180, 16.8074, 6.1836



14.9524, 16.8074, 41.9912



20.2739, 16.8074, 7.7523

Square

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



14.9524, 16.8074, 41.9912



22.9027, 16.8074, 21.4598



17.0430, 16.8074, 5.7806



10.6074, 16.8074, 15.4674

Rectangle

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



14.9524, 16.8074, 41.9912



20.3323, 16.8074, 35.4684



17.0430, 16.8074, 5.7806



12.2893, 16.8074, 7.8200

Sweetspot

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



14.9530, 16.8080, 41.9916



51.7295, 57.0607, 79.0932



17.3948, 30.9479, 14.2690



10.7443, 11.9225, 17.1227



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



14.9530, 16.8080, 41.9916



23.2437, 24.7065, 74.3495



9.4250, 5.7519, 40.1489



7.9741, 8.5475, 10.1822



9.4264, 9.9866, 30.4753



0.3130, 0.3794, 0.8647

Inverse Universe

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



21.2253, 11.4431, 18.8598



35.8190, 18.0489, 27.0535



29.5776, 33.0864, 6.4183



8.2047, 8.0951, 9.3888



14.6216, 7.3112, 10.9189



0.4324, 0.2136, 0.4387

Previews

White Background



This preview shows how the XYZ color 14.9524, 16.8074, 41.9912 looks on a white 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

Black Background



This preview shows how the XYZ color 14.9524, 16.8074, 41.9912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

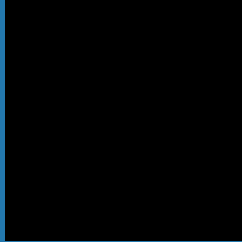
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.9524, 16.8074, 41.9912

Background



This preview shows how black text looks on a background with the XYZ color 14.9524, 16.8074, 41.9912.



This preview shows how white text looks on a background with the XYZ color 14.9524, 16.8074,

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

14.9524, 16.8074, 41.9912

Protanopia

17.3964, 16.7744, 38.3973

Deuteranopia

17.1227, 16.6992, 42.8783

Trichromacy



Original Color

14.9524, 16.8074, 41.9912

Protanomaly

16.0398, 16.5425, 39.8838

Deuteranomaly

16.0653, 16.6706, 42.4154

Monochromacy



Original Color

14.9524, 16.8074, 41.9912

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.2539, 13.8352, 22.1033

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9524, 16.8074, 41.9912 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(35, 120, 173)` looks like.

```
.text, #text, p{  
    color:rgb(35, 120, 173)  
}
```

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(35, 120, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 120, 173) }
```

Border

The CSS property to change the border of an element to XYZ 14.9524, 16.8074, 41.9912 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(35, 120, 173) }
```

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

```
.border{ border-color:rgb(35, 120, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 120, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 120, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 120, 173);  
box-shadow:4px 4px 4px 4px rgb(35, 120,  
173) }
```


Background

The CSS property to change the background color of an element to XYZ 14.9524, 16.8074, 41.9912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 120, 173) }
```

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

```
.background{ background-color: rgb(35, 120,  
173) }
```

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