

Converting Colors

XYZ(14.6619, 16.4945, 41.9467)

Have a look what the booklet for
XYZ(14.6619, 16.4945, 41.9467)
contains.

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Color

**XYZ(14.6463, 16.4720,
41.9426)**

Conversions

Conversions Part 1	
Format	Color
Hex	1D77AD
RGB	29, 119, 173
RGB Percent	11%, 47%, 68%
CMY	0.8862, 0.5333, 0.3216
CMYK	0.83, 0.31, 0.00, 0.32
HSL	203°, 71%, 40%
HSV	203°, 83%, 68%
XYZ	14.6463, 16.4720, 41.9426
YIQ	98.2460, -70.9740, -2.2860

Conversions

Conversions Part 2

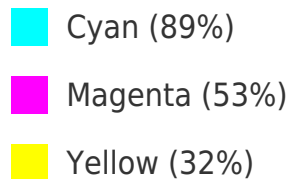
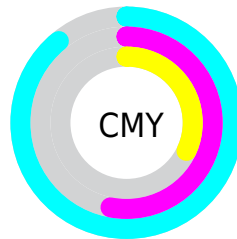
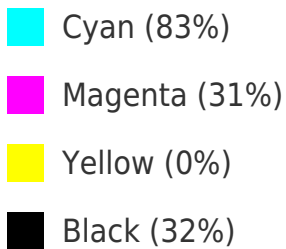
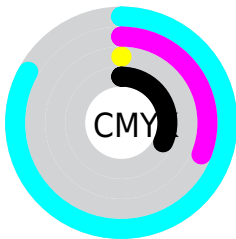
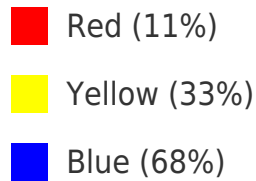
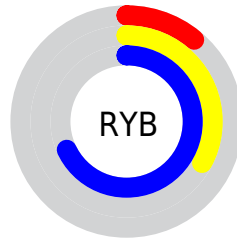
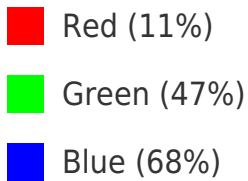
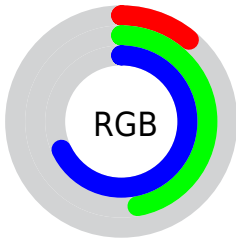
Format	Color
RYB	29, 84, 173
Decimal	1931181
CIELab	47.59, -6.02, -35.89
CIELCh	48, 36.390, 260.471
Yxy	16.4720, 0.2005, 0.2255
Android (android.graphics.Color)	4280121261 (0xFF1D77AD)
YUV	98.2460, 36.8537, -60.7287
Hunter-Lab	40.5857, -6.6091, -32.8622

Details

The XYZ color **14.6463, 16.4720, 41.9426** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **20.5497, 15.1613, 3.0065**, and the grayscale version is **11.5955, 12.1994, 13.2851**.

A 20% lighter version of the original color is **33.8514, 37.4356, 79.5704**, and **5.6434, 5.8625, 18.6034** is the 20% darker color. If you saturate the color by 10%, you get **13.5415, 14.7953, 41.6775**, and if you desaturate by 10%, it is **16.0794, 18.3967, 42.2389**.


Distribution





Brightness & Saturation Gradients


These gradients show how the XYZ color 14.6463, 16.4720, 41.9426 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 14.6463, 16.4720, 41.9426 by changing the saturation by 10% instead.


 14.6463, 16.4720,
41.9426


 14.6463, 16.4720,
41.9426


 214.6464,
232.1110, 370.0376


 8.6562, 9.8588,
28.7311


 33.8083, 37.4157,
79.3819


 4.5729, 5.3054,
18.6337


 47.7108, 52.5150,
104.4468


 2.0311, 2.4276,
11.2318


 64.9817, 71.2117,
134.2999

 0.6513, 0.8400,
6.1068

 85.9860, 93.8902,
169.3598

 0.0000, 0.0000,
2.8403

 111.0893,
120.9351, 210.0449

 0.0000, 0.0000,
1.0137

 140.6569,

 0.0000, 0.0000,

152.7305, 256.7739

0.0000

175.0541,
189.6611, 309.9653

■ 14.6463, 16.4720,
41.9426

■ 14.6463, 16.4720,
41.9426

■ 13.5415, 14.7953,
41.6775

■ 16.0794, 18.3967,
42.2389

■ 12.9183, 13.7679,
41.5121

■ 17.8803, 20.5906,
42.5675

■ 20.0841, 23.0734,
42.9305

■ 22.7211, 25.8621,
43.3298

■ 25.8184, 28.9723,
43.7669

■ 29.4009, 32.4179,
44.2432

■ 33.4914, 36.2123,
44.7600

■ 38.1114, 40.3675,
45.3185

■ 43.2810, 44.8954,
45.9200

Harmonies

Analogous

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



12.0131, 16.4720, 35.5376



14.6463, 16.4720, 41.9426



17.9399, 16.4720, 40.4089

Triad

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



14.6463, 16.4720, 41.9426



22.2551, 16.4720, 12.3863



11.3221, 16.4720, 8.8005

Complementary

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



14.6463, 16.4720, 41.9426



20.5497, 15.1613, 3.0065

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.



13.5749, 16.4720, 5.8673



14.6463, 16.4720, 41.9426



19.9700, 16.4720, 7.3859

Square

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



14.6463, 16.4720, 41.9426



22.6464, 16.4720, 21.0573



16.7114, 16.4720, 5.4587



10.2763, 16.4720, 15.1381

Rectangle

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



14.6463, 16.4720, 41.9426



20.0625, 16.4720, 35.2408



16.7114, 16.4720, 5.4587



11.9474, 16.4720, 7.4908

Sweetspot

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



14.6469, 16.4725, 41.9430



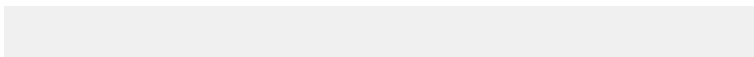
51.1626, 56.6440, 79.0426



16.9664, 30.7550, 12.9864



10.6388, 11.8503, 17.1143



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.



14.6469, 16.4725, 41.9430



22.9228, 24.2313, 74.2747



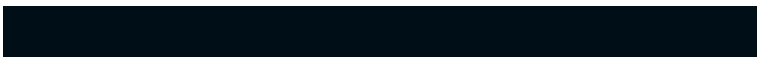
9.1155, 5.4097, 40.0992



7.9801, 8.5596, 10.1843



9.5465, 10.2269, 30.5153



0.3158, 0.3850, 0.8657

Inverse Universe

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



21.0032, 11.0956, 18.4879



35.6163, 17.8120, 26.4666



28.9786, 32.0190, 5.8161



8.2078, 8.0964, 9.4049



14.6823, 7.3355, 11.2382



0.4338, 0.2142, 0.4463

Previews

White Background



This preview shows how the XYZ color 14.6463, 16.4720, 41.9426 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 14.6463, 16.4720, 41.9426 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 14.6463, 16.4720, 41.9426

Background



This preview shows how black text looks on a background with the XYZ color 14.6463, 16.4720, 41.9426.

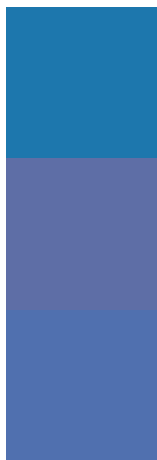


This preview shows how white text looks on a background with the XYZ color 14.6463, 16.4720,

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

14.6463, 16.4720, 41.9426

Protanopia

17.0750, 16.2847, 38.3197

Deuteranopia

16.8403, 16.3890, 42.8332



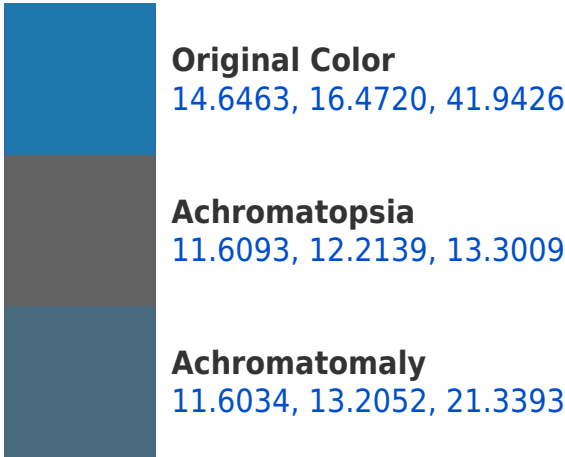
Tritanopia

11.6367, 16.3885, 25.1042

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6463, 16.4720, 41.9426 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(29, 119, 173)` looks like.

```
.text, #text, p{  
    color:rgb(29, 119, 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(29, 119, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 119, 173) }
```

Border

The CSS property to change the border of an element to XYZ 14.6463, 16.4720, 41.9426 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(29, 119, 173) }
```

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

```
.border{ border-color:rgb(29, 119, 173) }
```

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

Here you see how a box with a 4 pixel rgb(29, 119, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 119, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 119, 173);  
box-shadow:4px 4px 4px 4px rgb(29, 119,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6463, 16.4720, 41.9426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 119, 173) }
```

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

```
.background{ background-color: rgb(29, 119,  
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](#).

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