

Converting Colors

XYZ(10.8574, 14.3869, 42.7910)

Have a look what the booklet for
XYZ(10.8574, 14.3869, 42.7910)
contains.

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Color

**XYZ(14.2163, 16.0520,
42.9065)**

Conversions

Conversions Part 1

Format	Color
Hex	0076AF
RGB	0, 118, 175
RGB Percent	0%, 46%, 69%
CMY	0.9999, 0.5373, 0.3137
CMYK	1.00, 0.33, 0.00, 0.31
HSL	200°, 100%, 34%
HSV	200°, 100%, 69%
XYZ	14.2163, 16.0520, 42.9065
YIQ	89.2160, -88.6250, -7.2890

Conversions

Conversions Part 2

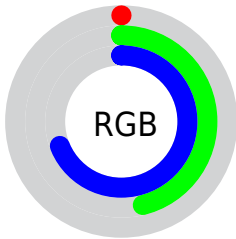
Format	Color
RYB	0, 70, 175
Decimal	30383
CIELab	47.04, -6.32, -37.93
CIELCh	47, 38.458, 260.535
Yxy	16.0520, 0.1943, 0.2194
Android (android.graphics.Color)	4278220463 (0xFF0076AF)
YUV	89.2160, 42.2915, -78.2424
Hunter-Lab	40.0649, -6.7763, -35.4496

Details

The XYZ color **14.2163, 16.0520, 42.9065** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **19.1443, 12.0437, 1.3166**, and the grayscale version is **9.4690, 9.9622, 10.8488**.

A 20% lighter version of the original color is **33.1129, 36.7431, 80.9482**, and **5.7030, 5.7855, 19.2285** is the 20% darker color. If you saturate the color by 10%, you get **14.2152, 16.0497, 42.9065**, and if you desaturate by 10%, it is **15.1491, 17.5601, 43.1488**.

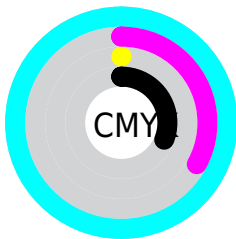
Distribution



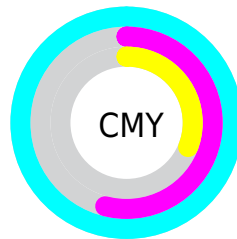
- Red (0%)
- Green (46%)
- Blue (69%)



- Red (0%)
- Yellow (27%)
- Blue (69%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (54%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.2163, 16.0520, 42.9065 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 14.2163, 16.0520, 42.9065 by changing the saturation by 10% instead.

■ 14.2163, 16.0520,
42.9065

■ 14.2163, 16.0520,
42.9065

212.0561,
229.6484, 374.1370

■ 8.3540, 9.5610,
29.4809

■ 33.0554, 36.6885,
80.8546

■ 4.3760, 5.1088,
19.1962

■ 46.7629, 51.6027,
106.2142

■ 1.9170, 2.3113,
11.6339

■ 63.8161, 70.0934,
136.3888

■ 0.5867, 0.7797,
6.3754

■ 84.5805, 92.5450,
171.7971

■ 0.0000, 0.0000,
3.0022

■ 109.4213,
119.3419, 212.8575

■ 0.0000, 0.0000,
1.0958

■ 138.7039,

■ 0.0000, 0.0000,

150.8685, 259.9886

0.0000

172.7937,
187.5092, 313.6089

■ 14.2163, 16.0520,
42.9065

■ 14.2163, 16.0520,
42.9065

■ 14.2152, 16.0497,
42.9065

■ 15.1491, 17.5601,
43.1488

■ 16.3357, 19.2600,
43.4144

■ 17.8603, 21.1965,
43.7078

■ 19.7624, 23.3909,
44.0311

■ 22.0756, 25.8615,
44.3860

■ 24.8296, 28.6244,
44.7742

■ 28.0511, 31.6944,
45.1970

■ 31.7646, 35.0850,
45.6557

■ 35.9929, 38.8088,
46.1516

Harmonies

Analogous

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



11.4989, 16.0520, 36.0684



14.2163, 16.0520, 42.9065



17.6439, 16.0520, 41.2429

Triad

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



14.2163, 16.0520, 42.9065



22.1626, 16.0520, 11.7446



10.7825, 16.0520, 8.1392

Complementary

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



14.2163, 16.0520, 42.9065



19.1443, 12.0437, 1.3166

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.



13.0956, 16.0520, 5.2254



14.2163, 16.0520, 42.9065



19.7557, 16.0520, 6.7116

Square

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



14.2163, 16.0520, 42.9065



22.5800, 16.0520, 20.7096



16.3472, 16.0520, 4.8221



9.7178, 16.0520, 14.6012

Rectangle

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



14.2163, 16.0520, 42.9065



19.8660, 16.0520, 35.7087



16.3472, 16.0520, 4.8221



11.4223, 16.0520, 6.8299

Sweetspot

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



14.2169, 16.0525, 42.9069



49.9058, 56.4530, 80.9031



16.0307, 30.9405, 8.7972



10.5434, 12.0300, 17.9107



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



14.2169, 16.0525, 42.9069



25.2520, 28.3309, 76.7744



8.2579, 4.1344, 40.9206



8.0131, 8.6255, 10.1953



10.2376, 11.6091, 30.7457



0.3317, 0.4168, 0.8710

Inverse Universe

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



20.9498, 10.4228, 18.0475



37.4139, 18.6232, 31.7665



27.4905, 28.7360, 4.0987



8.2244, 8.1030, 9.4925



15.0311, 7.4750, 13.0752



0.4418, 0.2174, 0.4885

Previews

White Background



This preview shows how the XYZ color 14.2163, 16.0520, 42.9065 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 14.2163, 16.0520, 42.9065 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 14.2163, 16.0520, 42.9065

Background



This preview shows how black text looks on a background with the XYZ color 14.2163, 16.0520, 42.9065.



This preview shows how white text looks on a background with the XYZ color 14.2163, 16.0520,

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

14.2163, 16.0520, 42.9065

Protanopia

16.7581, 15.9514, 38.7549

Deuteranopia

16.5219, 16.0391, 43.8200



Tritanopia

11.4413, 16.1088, 24.6966

Trichromacy



Original Color

14.2163, 16.0520, 42.9065

Protanomaly

14.7948, 15.3902, 40.2210

Deuteranomaly

15.0727, 15.7976, 43.3291

Tritanomaly

12.3048, 16.0572, 30.4678

Monochromacy



Original Color

14.2163, 16.0520, 42.9065

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.6347, 11.3403, 19.4504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.2163, 16.0520, 42.9065 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, 118, 175)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 175)  
}
```

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, 118, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 175) }
```

Border

The CSS property to change the border of an element to XYZ 14.2163, 16.0520, 42.9065 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, 118, 175) }
```


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

```
.border{ border-color:rgb(0, 118, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 118, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 175);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 14.2163, 16.0520, 42.9065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 175) }
```

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

```
.background{ background-color: rgb(0, 118,  
175) }
```

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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