

Converting Colors

XYZ(6.2506, 14.2708, 42.6756)

Have a look what the booklet for
XYZ(6.2506, 14.2708, 42.6756)
contains.

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Color

**XYZ(15.6226, 19.0213,
42.8925)**

Conversions

Conversions Part 1

Format	Color
Hex	0082AE
RGB	0, 130, 174
RGB Percent	0%, 51%, 68%
CMY	0.9999, 0.4902, 0.3176
CMYK	1.00, 0.25, 0.00, 0.32
HSL	195°, 100%, 34%
HSV	195°, 100%, 68%
XYZ	15.6226, 19.0213, 42.8925
YIQ	96.1460, -91.6040, -13.8760

Conversions

Conversions Part 2

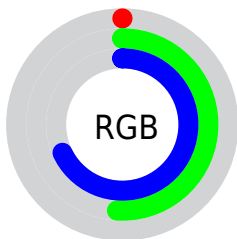
Format	Color
RYB	0, 74, 174
Decimal	33454
CIELab	50.71, -13.66, -31.59
CIELCh	51, 34.419, 246.612
Yxy	19.0213, 0.2015, 0.2453
Android (android.graphics.Color)	4278223534 (0xFF0082AE)
YUV	96.1460, 38.3820, -84.3200
Hunter-Lab	43.6134, -12.3837, -27.7806

Details

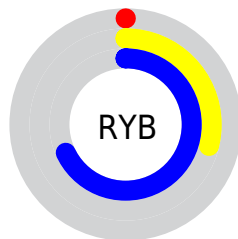
The XYZ color **15.6226, 19.0213, 42.8925** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **18.3576, 10.8022, 1.1183**, and the grayscale version is **11.0816, 11.6587, 12.6964**.

A 20% lighter version of the original color is **35.5308, 41.8043, 81.0593**, and **6.3936, 7.2653, 19.1545** is the 20% darker color. If you saturate the color by 10%, you get **15.6220, 19.0199, 42.8926**, and if you desaturate by 10%, it is **16.4598, 20.3408, 43.1035**.

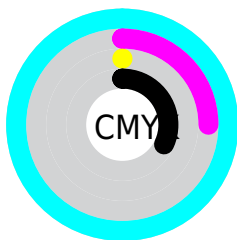
Distribution



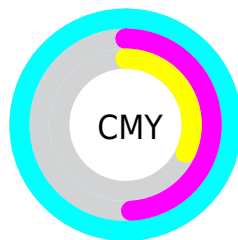
- Red (0%)
- Green (51%)
- Blue (68%)



- Red (0%)
- Yellow (29%)
- Blue (68%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (32%)



- Cyan (100%)
- Magenta (49%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6226, 19.0213, 42.8925 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 15.6226, 19.0213, 42.8925 by changing the saturation by 10% instead.

■ 15.6226, 19.0213,
42.8925

■ 15.6226, 19.0213,
42.8925

220.4188,
246.5663, 374.0777

■ 9.3466, 11.6857,
29.4700

■ 35.5045, 41.7701,
80.8332

■ 5.0269, 6.5300,
19.1880

■ 49.8412, 57.9520,
106.1885

■ 2.2980, 3.1700,
11.6280

■ 67.5955, 77.8515,
136.3585

■ 0.7936, 1.2211,
6.3715

■ 89.1328, 101.8530,
171.7618

■ 0.0000, 0.0788,
2.9998

■ 114.8184,
130.3408, 212.8167

■ 0.0000, 0.0000,
1.0946

■ 145.0177,

■ 0.0000, 0.0000,

163.6994, 259.9420

0.0000

180.0960,
202.3131, 313.5562

■ 15.6226, 19.0213,
42.8925

■ 15.6226, 19.0213,
42.8925

■ 15.6220, 19.0199,
42.8926

■ 16.4598, 20.3408,
43.1035

■ 17.5315, 21.8186,
43.3322

■ 18.9211, 23.4983,
43.5832

■ 20.6671, 25.4002,
43.8583

■ 22.8022, 27.5417,
44.1591

■ 25.3555, 29.9380,
44.4871

■ 28.3529, 32.6031,
44.8435

■ 31.8182, 35.5496,
45.2296

■ 35.7736, 38.7893,
45.6464

Harmonies

Analogous

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



13.3527, 19.0213, 33.8964



15.6226, 19.0213, 42.8925



18.8371, 19.0213, 45.2143

Triad

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



15.6226, 19.0213, 42.8925



25.3253, 19.0213, 18.6430



14.4771, 19.0213, 9.0844

Complementary

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



15.6226, 19.0213, 42.8925



18.3576, 10.8022, 1.1183

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.



17.3419, 19.0213, 7.1878



15.6226, 19.0213, 42.8925



23.8071, 19.0213, 11.4835

Square

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



15.6226, 19.0213, 42.8925



24.7165, 19.0213, 29.0030



20.7806, 19.0213, 7.9037



12.7511, 19.0213, 14.1724

Rectangle

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



15.6226, 19.0213, 42.8925



21.1460, 19.0213, 42.1782



20.7806, 19.0213, 7.9037



15.3242, 19.0213, 8.1385

Sweetspot

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



15.6233, 19.0219, 42.8930



51.1097, 58.8608, 81.3044



15.5822, 30.4509, 7.3923



10.8421, 12.6274, 18.0102



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.



15.6233, 19.0219, 42.8930



28.1492, 34.1253, 77.7401



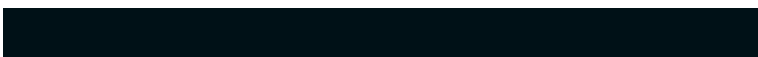
8.5234, 4.8221, 40.5263



8.0623, 8.7239, 10.2116



11.3797, 13.8934, 31.1264



0.3569, 0.4671, 0.8793

Inverse Universe

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



21.4854, 10.6111, 22.0355



38.8762, 19.2081, 39.4672



25.5062, 25.0995, 3.5012



8.2492, 8.1129, 9.6232



15.6076, 7.7056, 16.1110



0.4545, 0.2225, 0.5553

Previews

White Background



This preview shows how the XYZ color 15.6226, 19.0213, 42.8925 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 15.6226, 19.0213, 42.8925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

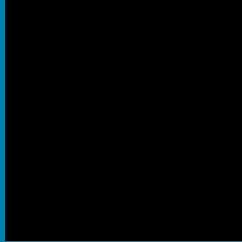
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.6226, 19.0213, 42.8925

Background



This preview shows how black text looks on a background with the XYZ color 15.6226, 19.0213, 42.8925.

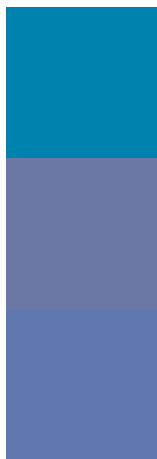


This preview shows how white text looks on a background with the XYZ color 15.6226, 19.0213,

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

15.6226, 19.0213, 42.8925

Protanopia

19.4518, 19.0361, 38.2464

Deuteranopia

19.3631, 18.8696, 43.6960



Tritanopia

13.5591, 19.0638, 29.3506

Trichromacy



Original Color

15.6226, 19.0213, 42.8925

Protanomaly

16.5347, 18.2220, 39.6915

Deuteranomaly

16.8074, 18.2852, 43.2010

Tritanomaly

14.3039, 19.1416, 33.9512

Monochromacy



Original Color

15.6226, 19.0213, 42.8925

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.9251, 13.1725, 21.0355

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6226, 19.0213, 42.8925 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, 130, 174)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 174)  
}
```

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, 130, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 174) }
```

Border

The CSS property to change the border of an element to XYZ 15.6226, 19.0213, 42.8925 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, 130, 174) }
```


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

```
.border{ border-color:rgb(0, 130, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 130, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 174);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6226, 19.0213, 42.8925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 174) }
```

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

```
.background{ background-color: rgb(0, 130,  
174) }
```

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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