

Converting Colors

XYZ(16.0549, 15.0314, 55.4817)

Have a look what the booklet for
XYZ(16.0549, 15.0314, 55.4817)
contains.

XYZ(16.0623, 15.0636, 55.4871)	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>	31

Color

**XYZ(16.0623, 15.0636,
55.4871)**

Conversions

Conversions Part 1

Format	Color
Hex	1D6CC6
RGB	29, 108, 198
RGB Percent	11%, 42%, 78%
CMY	0.8862, 0.5765, 0.2235
CMYK	0.85, 0.45, 0.00, 0.22
HSL	212°, 74%, 45%
HSV	212°, 85%, 78%
XYZ	16.0623, 15.0636, 55.4871
YIQ	94.6390, -75.9740, 11.2420

Conversions

Conversions Part 2

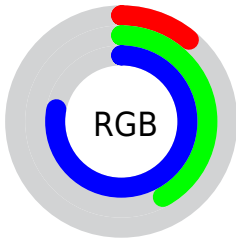
Format	Color
R_{YB}	29, 83, 198
Decimal	1928390
CIE _{Lab}	45.72, 10.40, -53.33
CIE _{LCh}	46, 54.338, 281.029
Yxy	15.0636, 0.1854, 0.1739
Android (android.graphics.Color)	4280118470 (0xFF1D6CC6)
YUV	94.6390, 50.9570, -57.5654
Hunter-Lab	38.8119, 5.9515, -57.5952

Details

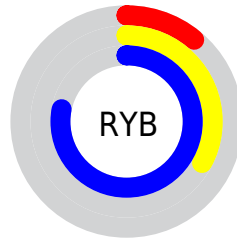
The XYZ color **16.0623, 15.0636, 55.4871** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **30.1097, 25.2924, 4.4585**, and the grayscale version is **10.6879, 11.2445, 12.2453**.

A 20% lighter version of the original color is **36.2738, 35.0195, 99.4554**, and **6.6805, 5.4284, 26.6823** is the 20% darker color. If you saturate the color by 10%, you get **14.6254, 12.7705, 55.1206**, and if you desaturate by 10%, it is **17.9939, 17.8116, 55.9161**.

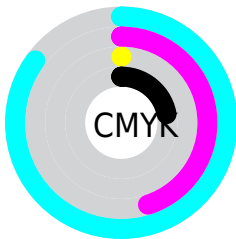
Distribution



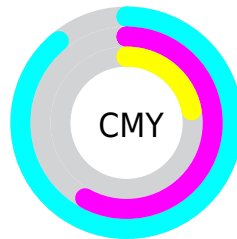
- Red (11%)
- Green (42%)
- Blue (78%)



- Red (11%)
- Yellow (33%)
- Blue (78%)



- Cyan (85%)
- Magenta (45%)
- Yellow (0%)
- Black (22%)



- Cyan (89%)
- Magenta (58%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0623, 15.0636, 55.4871 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 16.0623, 15.0636, 55.4871 by changing the saturation by 10% instead.

■ 16.0623, 15.0636,
55.4871

■ 16.0623, 15.0636,
55.4871

222.9722,
223.7509, 425.0896

■ 9.6594, 8.8640,
39.3906

■ 36.2629, 34.9647,
99.7326

■ 5.2342, 4.6526,
26.7536

■ 50.7913, 49.4351,
128.7186

■ 2.4215, 2.0449,
17.1574

■ 68.7589, 67.4311,
162.8383

■ 0.8558, 0.6334,
10.1837

■ 90.5310, 89.3373,
202.5101

■ 0.0000, 0.0000,
5.4137

■ 116.4731,
115.5379, 248.1526

■ 0.0000, 0.0000,
2.4290

146.9504,

■ 0.0000, 0.0000,

146.4175, 300.1843

0.8022

182.3283,
182.3603, 359.0238

■ 0.0000, 0.0000,
0.0000

■ 16.0623, 15.0636,
55.4871

■ 16.0623, 15.0636,
55.4871

■ 14.6254, 12.7705,
55.1206

■ 17.9939, 17.8116,
55.9161

■ 14.0678, 11.8265,
54.9678

■ 20.4827, 21.0532,
56.4106

■ 23.5824, 24.8227,
56.9748

■ 27.3395, 29.1501,
57.6121

■ 31.7953, 34.0626,
58.3254

■ 36.9876, 39.5855,
59.1178

■ 42.9513, 45.7420,
59.9918

■ 49.7188, 52.5544,
60.9500

■ 57.3209, 60.0434,
61.9949

Harmonies

Analogous

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



11.6507, 15.0636, 53.4822



16.0623, 15.0636, 55.4871



20.8831, 15.0636, 43.5936

Triad

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



16.0623, 15.0636, 55.4871



22.0076, 15.0636, 4.8192



7.5204, 15.0636, 9.5148

Complementary

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



16.0623, 15.0636, 55.4871



30.1097, 25.2924, 4.4585

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.



9.2962, 15.0636, 3.8115



16.0623, 15.0636, 55.4871



17.3630, 15.0636, 2.2681

Square

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



16.0623, 15.0636, 55.4871



24.7700, 15.0636, 12.0493



12.7039, 15.0636, 2.0357



7.3175, 15.0636, 21.6933

Rectangle

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



16.0623, 15.0636, 55.4871



23.4458, 15.0636, 31.8292



12.7039, 15.0636, 2.0357



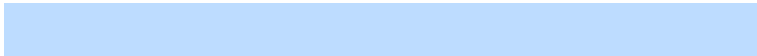
7.9321, 15.0636, 6.9938

Sweetspot

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



16.0630, 15.0640, 55.4875



64.4735, 69.0237, 104.5325



23.8728, 41.9185, 23.4553



13.0860, 14.0198, 22.2663



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



16.0630, 15.0640, 55.4875



24.6692, 20.4584, 97.2564



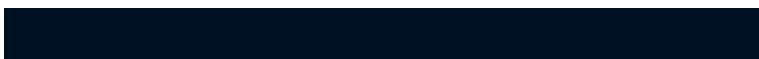
11.2234, 5.2613, 53.8505



10.4585, 11.0911, 13.5071



9.2326, 7.8591, 35.7747



0.5095, 0.5168, 1.7180

Inverse Universe

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



26.4355, 13.9682, 15.4904



44.5811, 22.5964, 19.5239



42.9695, 52.1039, 8.9559



10.8367, 10.7181, 12.1234



16.4595, 8.3334, 7.6297



0.8159, 0.4092, 0.5535

Previews

White Background



This preview shows how the XYZ color 16.0623, 15.0636, 55.4871 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 16.0623, 15.0636, 55.4871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

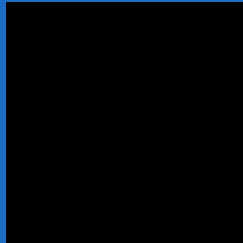
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.0623, 15.0636, 55.4871

Background



This preview shows how black text looks on a background with the XYZ color 16.0623, 15.0636, 55.4871.



This preview shows how white text looks on a background with the XYZ color 16.0623, 15.0636,

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

16.0623, 15.0636, 55.4871

Protanopia

17.0163, 15.1333, 53.6539

Deuteranopia

15.3135, 15.0469, 53.1362



Tritanopia

10.6128, 14.9915, 22.7564

Trichromacy



Original Color

16.0623, 15.0636, 55.4871

Protanomaly

16.4831, 14.9974, 54.2506

Deuteranomaly

15.4570, 14.9486, 53.7004

Tritanomaly

12.1332, 14.8618, 32.3661

Monochromacy



Original Color

16.0623, 15.0636, 55.4871

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.3206, 12.1199, 23.5725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0623, 15.0636, 55.4871 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, 108, 198)` looks like.

```
.text, #text, p{  
    color:rgb(29, 108, 198)  
}
```

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, 108, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 108, 198) }
```

Border

The CSS property to change the border of an element to XYZ 16.0623, 15.0636, 55.4871 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, 108, 198) }
```


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

```
.border{ border-color:rgb(29, 108, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 108, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 108, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 108, 198);  
box-shadow:4px 4px 4px 4px rgb(29, 108,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0623, 15.0636, 55.4871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 108, 198) }
```

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

```
.background{ background-color: rgb(29, 108,  
198) }
```

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