

Converting Colors

XYZ(15.7966, 14.1548, 59.0263)

Have a look what the booklet for
XYZ(15.7966, 14.1548, 59.0263)
contains.

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Color

**XYZ(15.7493, 14.0601,
59.0105)**

Conversions

Conversions Part 1

Format	Color
Hex	0067CC
RGB	0, 103, 204
RGB Percent	0%, 40%, 80%
CMY	0.9998, 0.5961, 0.2000
CMYK	1.00, 0.50, 0.00, 0.20
HSL	210°, 100%, 40%
HSV	210°, 100%, 80%
XYZ	15.7493, 14.0601, 59.0105
YIQ	83.7170, -93.8090, 9.5750

Conversions

Conversions Part 2

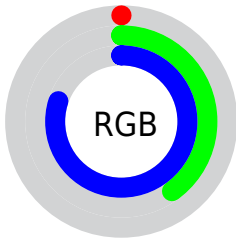
Format	Color
RYB	0, 68, 204
Decimal	26572
CIELab	44.32, 14.63, -59.06
CIELCh	44, 60.849, 283.914
Yxy	14.0601, 0.1773, 0.1583
Android (android.graphics.Color)	4278216652 (0xFF0067CC)
YUV	83.7170, 59.2995, -73.4198
Hunter-Lab	37.4968, 9.3537, -67.0597

Details

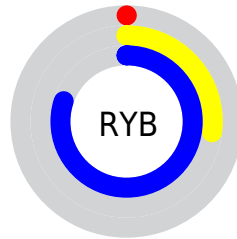
The XYZ color **15.7493, 14.0601, 59.0105** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **29.5603, 22.1537, 2.7194**, and the grayscale version is **8.2674, 8.6980, 9.4721**.

A 20% lighter version of the original color is **34.5868, 32.6551, 99.0879**, and **6.8879, 5.0962, 29.0544** is the 20% darker color. If you saturate the color by 10%, you get **15.7472, 14.0558, 59.0101**, and if you desaturate by 10%, it is **17.1133, 16.3462, 59.3802**.

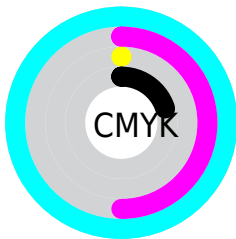
Distribution



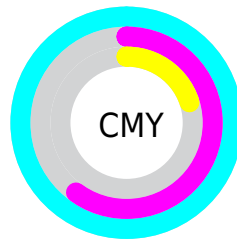
- Red (0%)
- Green (40%)
- Blue (80%)



- Red (0%)
- Yellow (27%)
- Blue (80%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (60%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7493, 14.0601, 59.0105 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 15.7493, 14.0601, 59.0105 by changing the saturation by 10% instead.

■ 15.7493, 14.0601,
59.0105

■ 15.7493, 14.0601,
59.0105

221.1574,
217.6044, 438.6438

■ 9.4366, 8.1625,
42.2015

■ 35.7234, 33.1956,
104.9222

■ 5.0864, 4.1991,
28.9324

■ 50.1156, 47.2023,
134.8620

■ 2.3334, 1.7855,
18.7845

■ 67.9316, 64.6808,
170.0158

■ 0.8116, 0.4781,
11.3394

■ 89.5369, 86.0155,
210.8021

■ 0.0000, 0.0000,
6.1786

■ 115.2967,
111.5909, 257.6395

■ 0.0000, 0.0000,
2.8834

145.5765,

■ 0.0000, 0.0000,

141.7912, 310.9466

1.0354

180.7416,
177.0009, 371.1418

■ 0.0000, 0.0000,
0.0000

■ 15.7493, 14.0601,
59.0105

■ 15.7493, 14.0601,
59.0105

■ 15.7472, 14.0558,
59.0101

■ 17.1133, 16.3462,
59.3802

■ 18.9158, 19.0446,
59.8061

■ 21.2683, 22.2188,
60.2948

■ 24.2320, 25.9056,
60.8502

■ 27.8589, 30.1373,
61.4758

■ 32.1948, 34.9427,
62.1748

■ 37.2813, 40.3479,
62.9501

■ 43.1564, 46.3776,
63.8042

■ 49.8555, 53.0544,
64.7399

Harmonies

Analogous

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



10.9288, 14.0601, 58.3647



15.7493, 14.0601, 59.0105



20.9850, 14.0601, 43.9729

Triad

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



15.7493, 14.0601, 59.0105



21.3266, 14.0601, 3.2116



6.2236, 14.0601, 9.0052

Complementary

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



15.7493, 14.0601, 59.0105



29.5603, 22.1537, 2.7194

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.



7.8552, 14.0601, 2.9639



15.7493, 14.0601, 59.0105



16.1358, 14.0601, 1.2847

Square

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



15.7493, 14.0601, 59.0105



24.6970, 14.0601, 9.7138



11.2321, 14.0601, 1.2348



6.1684, 14.0601, 22.7225

Rectangle

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



15.7493, 14.0601, 59.0105



23.6863, 14.0601, 30.4260



11.2321, 14.0601, 1.2348



6.5839, 14.0601, 6.2722

Sweetspot

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



15.7500, 14.0605, 59.0109



61.3680, 66.4301, 104.1956



23.8277, 44.0799, 18.9626



12.3366, 13.3777, 22.1819



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.



15.7500, 14.0605, 59.0109



25.8637, 22.8474, 97.6546



10.9371, 4.4347, 57.4066



11.0619, 11.7643, 14.2581



10.0047, 9.0334, 37.1726



0.5920, 0.6178, 1.9430

Inverse Universe

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



27.3507, 13.8177, 14.0575



45.1840, 22.8376, 22.6988



45.6960, 54.4252, 8.0980



11.4446, 11.3066, 12.8760



17.2608, 8.7149, 9.0922



0.9288, 0.4649, 0.6708

Previews

White Background



This preview shows how the XYZ color 15.7493, 14.0601, 59.0105 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 15.7493, 14.0601, 59.0105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

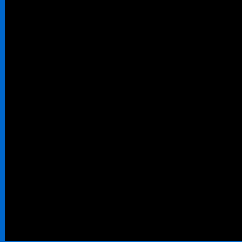
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.7493, 14.0601, 59.0105

Background



This preview shows how black text looks on a background with the XYZ color 15.7493, 14.0601, 59.0105.



This preview shows how white text looks on a background with the XYZ color 15.7493, 14.0601,

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

15.7493, 14.0601, 59.0105

Protanopia

16.3965, 14.1295, 57.7402

Deuteranopia

14.1206, 14.0606, 48.4241



Tritanopia

9.8835, 13.9460, 21.2397

Trichromacy



Original Color

15.7493, 14.0601, 59.0105

Protanomaly

16.0376, 14.0758, 58.3715

Deuteranomaly

14.7797, 14.1583, 52.4059

Tritanomaly

11.4342, 13.6688, 32.1727

Monochromacy



Original Color

15.7493, 14.0601, 59.0105

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.1056, 9.7976, 21.8333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7493, 14.0601, 59.0105 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, 103, 204)` looks like.

```
.text, #text, p{  
  color:rgb(0, 103, 204)  
}
```

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, 103, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 103, 204) }
```

Border

The CSS property to change the border of an element to XYZ 15.7493, 14.0601, 59.0105 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, 103, 204) }
```


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

```
.border{ border-color:rgb(0, 103, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 103, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 103, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 103, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 103,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7493, 14.0601, 59.0105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 103, 204) }
```

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

```
.background{ background-color: rgb(0, 103,  
204) }
```

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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