

Converting Colors

XYZ(14.8216, 10.7000, 63.3402)

Have a look what the booklet for
XYZ(14.8216, 10.7000, 63.3402)
contains.

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Color

**XYZ(14.9010, 10.7881,
63.5843)**

Conversions

Conversions Part 1

Format	Color
Hex	0052D4
RGB	0, 82, 212
RGB Percent	0%, 32%, 83%
CMY	0.9998, 0.6784, 0.1686
CMYK	1.00, 0.61, 0.00, 0.17
HSL	217°, 100%, 42%
HSV	217°, 100%, 83%
XYZ	14.9010, 10.7881, 63.5843
YIQ	72.3020, -90.6020, 23.0460

Conversions

Conversions Part 2

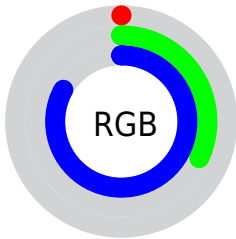
Format	Color
R _Y B	0, 59, 212
Decimal	21204
CIE Lab	39.22, 31.58, -71.96
CIE LCh	39, 78.587, 293.696
Yxy	10.7881, 0.1669, 0.1208
Android (android.graphics.Color)	4278211284 (0xFF0052D4)
YUV	72.3020, 68.8711, -63.4089
Hunter-Lab	32.8452, 23.5015, -91.7864

Details

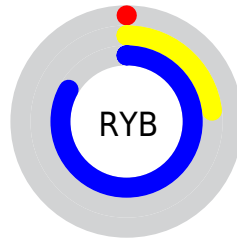
The XYZ color **14.9010, 10.7881, 63.5843** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed blue. A complement of this color would be **35.1415, 29.9767, 3.9354**, and the grayscale version is **6.1107, 6.4290, 7.0012**.

A 20% lighter version of the original color is **31.7598, 26.3362, 98.0172**, and **6.7263, 3.8513, 31.8414** is the 20% darker color. If you saturate the color by 10%, you get **14.8986, 10.7832, 63.5838**, and if you desaturate by 10%, it is **16.2908, 13.1006, 63.9577**.

Distribution



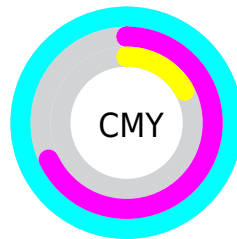
- Red (0%)
- Green (32%)
- Blue (83%)



- Red (0%)
- Yellow (23%)
- Blue (83%)



- Cyan (100%)
- Magenta (61%)
- Yellow (0%)
- Black (17%)



- Cyan (100%)
- Magenta (68%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9010, 10.7881, 63.5843 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 14.9010, 10.7881, 63.5843 by changing the saturation by 10% instead.

■ 14.9010, 10.7881,
63.5843

■ 14.9010, 10.7881,
63.5843

216.1665,
196.2080, 455.8531

■ 8.8358, 5.9245,
45.8700

■ 34.2525, 27.2677,
111.6057

■ 4.6905, 2.7992,
31.7953

■ 48.2695, 39.6524,
142.7500

■ 2.0997, 1.0278,
20.9417

■ 65.6678, 55.3131,
179.2080

■ 0.6891, 0.0000,
12.8906

■ 86.8128, 74.6340,
221.3983

■ 0.0000, 0.0000,
7.2234

■ 112.0698, 97.9995,
269.7394

■ 0.0000, 0.0000,
3.5216

141.8042,

■ 0.0000, 0.0000,

125.7941, 324.6499

1.3668

176.3813,
158.4021, 386.5483

■ 0.0000, 0.0000,
0.1156

■ 0.0000, 0.0000,
0.0000

■ 14.9010, 10.7881,
63.5843

■ 14.9010, 10.7881,
63.5843

■ 14.8986, 10.7832,
63.5838

■ 16.2908, 13.1006,
63.9577

■ 18.2204, 15.9817,
64.4121

■ 20.8140, 19.5089,
64.9562

■ 24.1435, 23.7316,
65.5958

■ 28.2700, 28.6933,
66.3360

■ 33.2479, 34.4332,
67.1816

■ 39.1264, 40.9874,
68.1369

■ 45.9506, 48.3895,
69.2059

■ 53.7626, 56.6710,
70.3927

Harmonies

Analogous

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



9.1785, 10.7881, 70.8638



14.9010, 10.7881, 63.5843



20.8096, 10.7881, 38.7552

Triad

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



14.9010, 10.7881, 63.5843



17.5191, 10.7881, 0.3000



3.1093, 10.7881, 8.8333

Complementary

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



14.9010, 10.7881, 63.5843



35.1415, 29.9767, 3.9354

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.



4.0535, 10.7881, 1.5701



14.9010, 10.7881, 63.5843



11.4099, 10.7881, 0.0000

Square

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



14.9010, 10.7881, 63.5843



22.6489, 10.7881, 3.5057



6.6897, 10.7881, 0.0000



3.4820, 10.7881, 27.7425

Rectangle

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



14.9010, 10.7881, 63.5843



23.4170, 10.7881, 21.9504



6.6897, 10.7881, 0.0000



3.2686, 10.7881, 5.3267

Sweetspot

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



14.9016, 10.7883, 63.5846



59.0999, 61.8939, 103.4396



27.3895, 48.6256, 28.0964



11.8032, 12.3108, 22.0041



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.



14.9016, 10.7883, 63.5846



22.4733, 16.0667, 96.5244



12.1988, 4.9168, 62.5938



12.1324, 12.7882, 15.7664



9.2879, 6.8377, 39.2834



0.6393, 0.5705, 2.3957

Inverse Universe

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



28.6750, 14.6074, 9.2907



43.4727, 22.1531, 13.6872



44.9809, 58.1385, 8.8526



12.6200, 12.4995, 13.9393



17.7470, 9.0351, 5.9717



1.1103, 0.5609, 0.5703

Previews

White Background



This preview shows how the XYZ color 14.9010, 10.7881, 63.5843 looks on a white background.

Color Contrast Check

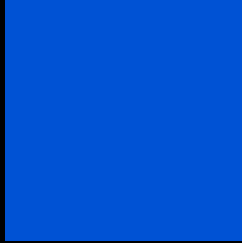
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.9010, 10.7881, 63.5843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

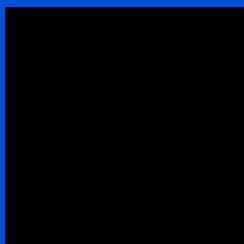
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.9010, 10.7881, 63.5843

Background



This preview shows how black text looks on a background with the XYZ color 14.9010, 10.7881, 63.5843.



This preview shows how white text looks on a background with the XYZ color 14.9010, 10.7881,

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

14.9010, 10.7881, 63.5843

Protanopia

12.6495, 10.7756, 48.9902

Deuteranopia

10.5252, 10.7576, 35.2399



Tritanopia

7.4581, 10.5855, 15.8375

Trichromacy



Original Color

14.9010, 10.7881, 63.5843

Protanomaly

13.4058, 10.6868, 54.1795

Deuteranomaly

11.8944, 10.6076, 44.6006

Tritanomaly

9.2805, 10.2597, 28.6853

Monochromacy



Original Color

14.9010, 10.7881, 63.5843

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

7.2863, 7.1798, 19.7407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9010, 10.7881, 63.5843 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, 82, 212)` looks like.

```
.text, #text, p{  
    color:rgb(0, 82, 212)  
}
```

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, 82, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 82, 212) }
```

Border

The CSS property to change the border of an element to XYZ 14.9010, 10.7881, 63.5843 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, 82, 212) }
```


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

```
.border{ border-color:rgb(0, 82, 212) }
```

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

Here you see how a box with a 4 pixel rgb(0, 82, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 82, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 82, 212);  
box-shadow:4px 4px 4px 4px rgb(0, 82, 212)  
}
```

Background

The CSS property to change the background color of an element to XYZ 14.9010, 10.7881, 63.5843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 82, 212) }
```

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

```
.background{ background-color: rgb(0, 82,  
212) }
```

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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