

Converting Colors

XYZ(15.4872, 10.7434, 59.5989)

Have a look what the booklet for
XYZ(15.4872, 10.7434, 59.5989)
contains.

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Color

**XYZ(15.4959, 10.7458,
59.6499)**

Conversions

Conversions Part 1

Format	Color
Hex	384ECE
RGB	56, 78, 206
RGB Percent	22%, 31%, 81%
CMY	0.7803, 0.6941, 0.1922
CMYK	0.73, 0.62, 0.00, 0.19
HSL	231°, 60%, 51%
HSV	231°, 73%, 81%
XYZ	15.4959, 10.7458, 59.6499
YIQ	86.0140, -54.2000, 35.1440

Conversions

Conversions Part 2

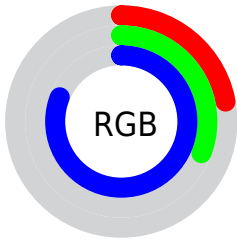
Format	Color
RYB	56, 75, 206
Decimal	3690190
CIELab	39.15, 35.44, -68.56
CIElCh	39, 77.180, 297.331
Yxy	10.7458, 0.1804, 0.1251
Android (android.graphics.Color)	4281880270 (0xFF384ECE)
YUV	86.0140, 59.1531, -26.3223
Hunter-Lab	32.7808, 27.0129, -84.9411

Details

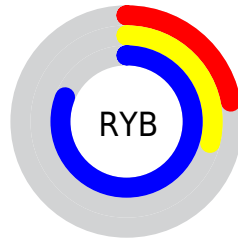
The XYZ color **15.4959, 10.7458, 59.6499** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark muted blue. A complement of this color would be **43.3107, 47.6934, 10.6658**, and the grayscale version is **8.7360, 9.1909, 10.0089**.

A 20% lighter version of the original color is **33.8078, 26.6097, 97.9621**, and **6.0770, 3.3461, 29.1797** is the 20% darker color. If you saturate the color by 10%, you get **13.4857, 8.0967, 59.2448**, and if you desaturate by 10%, it is **18.3145, 14.3072, 60.1890**.

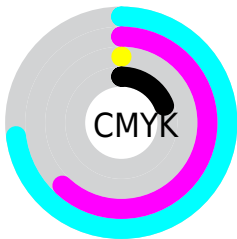
Distribution



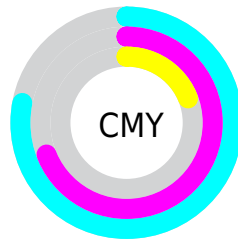
- Red (22%)
- Green (31%)
- Blue (81%)



- Red (22%)
- Yellow (29%)
- Blue (81%)



- Cyan (73%)
- Magenta (62%)
- Yellow (0%)
- Black (19%)



- Cyan (78%)
- Magenta (69%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4959, 10.7458, 59.6499 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 15.4959, 10.7458, 59.6499 by changing the saturation by 10% instead.

■ 15.4959, 10.7458,
59.6499

■ 15.4959, 10.7458,
59.6499

219.6778,
195.9152, 441.0749

■ 9.2567, 5.8962,
42.7131

■ 35.2854, 27.1891,
105.8600

■ 4.9675, 2.7820,
29.3303

■ 49.5664, 39.5516,
135.9704

■ 2.2627, 1.0190,
19.0831

■ 67.2587, 55.1872,
171.3090

■ 0.7755, 0.0000,
11.5529

■ 88.7278, 74.4803,
212.2944

■ 0.0000, 0.0000,
6.3212

■ 114.3388, 97.8152,
259.3452

■ 0.0000, 0.0000,
2.9694

144.4573,

■ 0.0000, 0.0000,

125.5764, 312.8798

1.0790

179.4485,
158.1483, 373.3169

■ 0.0000, 0.0000,
0.0000

■ 15.4959, 10.7458,
59.6499

■ 15.4959, 10.7458,
59.6499

■ 13.4857, 8.0967,
59.2448

■ 18.3145, 14.3072,
60.1890

■ 12.1926, 6.2723,
58.9608

■ 22.0159, 18.8552,
60.8718

■ 11.6100, 5.3949,
58.8222

■ 26.6676, 24.4574,
61.7080

■ 32.3302, 31.1750,
62.7062

■ 39.0590, 39.0644,
63.8743

■ 46.9053, 48.1783,
65.2199

■ 55.9172, 58.5660,
66.7500

■ 66.1398, 70.2743,
68.4711

■ 77.6158, 83.3473,
70.3896

Harmonies

Analogous

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



9.7573, 10.7458, 69.4744



15.4959, 10.7458, 59.6499



21.0856, 10.7458, 34.8022

Triad

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



15.4959, 10.7458, 59.6499



16.5797, 10.7458, 0.1767



3.1505, 10.7458, 10.4231

Complementary

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



15.4959, 10.7458, 59.6499



43.3107, 47.6934, 10.6658

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.



3.9193, 10.7458, 2.0753



15.4959, 10.7458, 59.6499



10.6839, 10.7458, 0.0000

Square

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



15.4959, 10.7458, 59.6499



21.8457, 10.7458, 2.8885



6.2930, 10.7458, 0.0000



3.6798, 10.7458, 30.2623

Rectangle

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



15.4959, 10.7458, 59.6499



23.3191, 10.7458, 19.1275



6.2930, 10.7458, 0.0000



3.2574, 10.7458, 6.4980

Sweetspot

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



15.4965, 10.7460, 59.6502



63.9196, 64.0343, 103.5987



32.3025, 48.4237, 52.7184



12.9973, 12.9071, 22.0562



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.



15.4965, 10.7460, 59.6502



20.6112, 11.4042, 95.7226



18.8016, 10.5057, 59.4296



10.7323, 11.1050, 14.1482



7.1929, 3.4097, 36.2353



0.4148, 0.2633, 1.8839

Inverse Universe

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



28.2436, 16.5013, 8.9041



42.7618, 22.7456, 7.2404



36.0177, 51.2499, 11.7367



11.2782, 11.2400, 11.9998



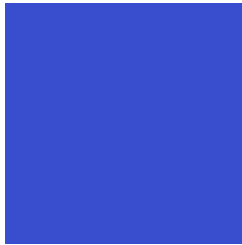
15.8415, 8.1472, 1.6182



0.8393, 0.4291, 0.1996

Previews

White Background



This preview shows how the XYZ color 15.4959, 10.7458, 59.6499 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 15.4959, 10.7458, 59.6499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

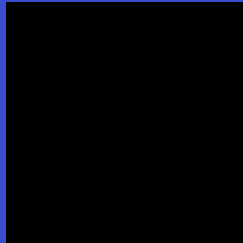
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.4959, 10.7458, 59.6499

Background



This preview shows how black text looks on a background with the XYZ color 15.4959, 10.7458, 59.6499.



This preview shows how white text looks on a background with the XYZ color 15.4959, 10.7458,

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

15.4959, 10.7458, 59.6499

Protanopia

12.4594, 10.5673, 48.3967

Deuteranopia

10.4357, 10.5786, 35.2101



Tritanopia

7.5117, 10.6069, 16.1194

Trichromacy



Original Color

15.4959, 10.7458, 59.6499

Protanomaly

13.1964, 10.3844, 52.3478

Deuteranomaly

11.7140, 10.3025, 42.9662

Tritanomaly

9.2369, 9.9910, 27.8272

Monochromacy



Original Color

15.4959, 10.7458, 59.6499

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

10.0242, 9.2941, 22.3847

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4959, 10.7458, 59.6499 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(56, 78, 206)` looks like.

```
.text, #text, p{  
    color:rgb(56, 78, 206)  
}
```

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(56, 78, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 78, 206) }
```

Border

The CSS property to change the border of an element to XYZ 15.4959, 10.7458, 59.6499 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(56, 78, 206) }
```


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

```
.border{ border-color:rgb(56, 78, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 78, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 78, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 78, 206);  
box-shadow:4px 4px 4px 4px rgb(56, 78,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4959, 10.7458, 59.6499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 78, 206) }
```

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

```
.background{ background-color: rgb(56, 78,  
206) }
```

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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