

Converting Colors

XYZ(15.2602, 19.2255, 35.7081)

Have a look what the booklet for
XYZ(15.2602, 19.2255, 35.7081)
contains.

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Color

**XYZ(15.2494, 19.1869,
35.7006)**

Conversions

Conversions Part 1

Format	Color
Hex	28839F
RGB	40, 131, 159
RGB Percent	16%, 51%, 62%
CMY	0.8431, 0.4863, 0.3765
CMYK	0.75, 0.18, 0.00, 0.38
HSL	194°, 60%, 39%
HSV	194°, 75%, 62%
XYZ	15.2494, 19.1869, 35.7006
YIQ	106.9830, -63.2240, -10.5840

Conversions

Conversions Part 2

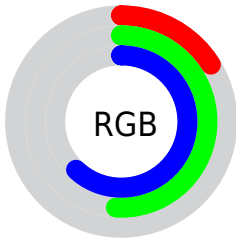
Format	Color
RYB	40, 92, 159
Decimal	2655135
CIELab	50.91, -16.69, -22.56
CIELCh	51, 28.063, 233.498
Yxy	19.1869, 0.2174, 0.2736
Android (android.graphics.Color)	4280845215 (0xFF28839F)
YUV	106.9830, 25.6444, -58.7441
Hunter-Lab	43.8029, -14.5125, -17.6611

Details

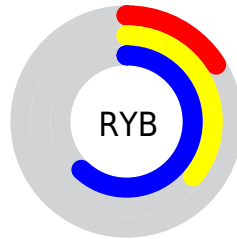
The XYZ color **15.2494, 19.1869, 35.7006** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **16.7490, 11.6595, 3.3761**, and the grayscale version is **13.9151, 14.6398, 15.9427**.

A 20% lighter version of the original color is **34.8716, 42.0196, 69.8910**, and **5.5963, 6.9464, 14.9558** is the 20% darker color. If you saturate the color by 10%, you get **14.2604, 17.9448, 35.5134**, and if you desaturate by 10%, it is **16.5121, 20.5977, 35.9067**.

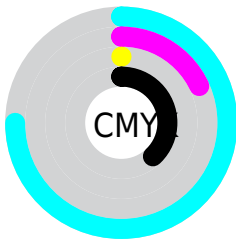
Distribution



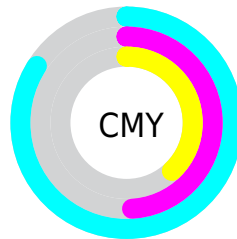
- Red (16%)
- Green (51%)
- Blue (62%)



- Red (16%)
- Yellow (36%)
- Blue (62%)



- Cyan (75%)
- Magenta (18%)
- Yellow (0%)
- Black (38%)



- Cyan (84%)
- Magenta (49%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2494, 19.1869, 35.7006 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 15.2494, 19.1869, 35.7006 by changing the saturation by 10% instead.

■ 15.2494, 19.1869,
35.7006

■ 15.2494, 19.1869,
35.7006

■ 218.2294,
247.4786, 342.6478

■ 9.0821, 11.8054,
23.9152

■ 34.8582, 42.0497,
69.7335

■ 4.8523, 6.6113,
15.0591

■ 49.0303, 58.2998,
92.8181

■ 2.1947, 3.2202,
8.7138

■ 66.6015, 78.2748,
120.5062

■ 0.7400, 1.2478,
4.4607

■ 87.9370, 102.3592,
153.2163

■ 0.0000, 0.1002,
1.8813

■ 113.4021,
130.9374, 191.3670

■ 0.0000, 0.0000,
0.4808

■ 143.3624,

■ 0.0000, 0.0000,

164.3938, 235.3768

0.0000

178.1830,
203.1127, 285.6642

■ 15.2494, 19.1869,
35.7006

■ 15.2494, 19.1869,
35.7006

■ 14.2604, 17.9448,
35.5134

■ 16.5121, 20.5977,
35.9067

■ 13.5084, 16.8512,
35.3419

■ 18.0745, 22.1899,
36.1317

■ 13.1670, 16.3212,
35.2576

■ 19.9618, 23.9770,
36.3772

■ 22.1956, 25.9706,
36.6443

■ 24.7959, 28.1811,
36.9339

■ 27.7808, 30.6182,
37.2470

■ 31.1675, 33.2909,
37.5843

■ 34.9719, 36.2078,
37.9468

■ 39.2091, 39.3768,
38.3352

Harmonies

Analogous

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



13.7769, 19.1869, 27.5793



15.2494, 19.1869, 35.7006



17.6403, 19.1869, 39.9973

Triad

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



15.2494, 19.1869, 35.7006



24.0542, 19.1869, 22.6659



16.1952, 19.1869, 9.7960

Complementary

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



15.2494, 19.1869, 35.7006



16.7490, 11.6595, 3.3761

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.



18.8461, 19.1869, 9.1088



15.2494, 19.1869, 35.7006



23.5677, 19.1869, 15.3826

Square

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



15.2494, 19.1869, 35.7006



22.8596, 19.1869, 31.3371



21.5904, 19.1869, 10.8755



14.2831, 19.1869, 13.0706

Rectangle

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



15.2494, 19.1869, 35.7006



19.5076, 19.1869, 39.5013



21.5904, 19.1869, 10.8755



17.0219, 19.1869, 9.2958

Sweetspot

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



15.2500, 19.1876, 35.7011



45.6353, 51.4870, 66.2762



14.3102, 25.6625, 9.6319



9.9991, 11.3679, 14.9109



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



15.2500, 19.1876, 35.7011



24.5727, 30.7650, 63.3866



9.4341, 7.5558, 33.7624



6.6895, 7.2447, 8.4525



10.4326, 12.9568, 27.8583



0.2162, 0.2911, 0.5080

Inverse Universe

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



19.1542, 10.5280, 22.4959



32.4621, 16.3619, 36.0075



22.3057, 22.7728, 5.2283



6.8374, 6.7279, 7.9946



14.0641, 6.9302, 15.1205



0.2665, 0.1299, 0.3493

Previews

White Background



This preview shows how the XYZ color 15.2494, 19.1869, 35.7006 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 15.2494, 19.1869, 35.7006 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 15.2494, 19.1869, 35.7006

Background



This preview shows how black text looks on a background with the XYZ color 15.2494, 19.1869, 35.7006.

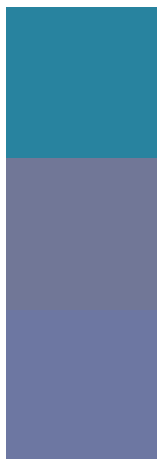


This preview shows how white text looks on a background with the XYZ color 15.2494, 19.1869,

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

15.2494, 19.1869, 35.7006

Protanopia

18.9928, 18.9387, 31.9327

Deuteranopia

19.4251, 19.0535, 36.8363



Tritanopia

14.0111, 19.2968, 29.3718

Trichromacy



Original Color

15.2494, 19.1869, 35.7006

Protanomaly

16.7534, 18.4774, 33.2554

Deuteranomaly

17.1721, 18.6239, 36.4079

Tritanomaly

14.4080, 19.2521, 31.3904

Monochromacy



Original Color

15.2494, 19.1869, 35.7006

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.5786, 15.8361, 22.0797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2494, 19.1869, 35.7006 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(40, 131, 159)` looks like.

```
.text, #text, p{  
    color:rgb(40, 131, 159)  
}
```

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(40, 131, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 131, 159) }
```

Border

The CSS property to change the border of an element to XYZ 15.2494, 19.1869, 35.7006 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(40, 131, 159) }
```


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

```
.border{ border-color:rgb(40, 131, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 131, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 131, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 131, 159);  
box-shadow:4px 4px 4px 4px rgb(40, 131,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2494, 19.1869, 35.7006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 131, 159) }
```

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

```
.background{ background-color: rgb(40, 131,  
159) }
```

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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