

Converting Colors

XYZ(15.0136, 18.7429, 34.1554)

Have a look what the booklet for
XYZ(15.0136, 18.7429, 34.1554)
contains.

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Color

**XYZ(15.0233, 18.7052,
34.2711)**

Conversions

Conversions Part 1

Format	Color
Hex	2F819C
RGB	47, 129, 156
RGB Percent	18%, 51%, 61%
CMY	0.8157, 0.4941, 0.3882
CMYK	0.70, 0.17, 0.00, 0.39
HSL	195°, 54%, 40%
HSV	195°, 70%, 61%
XYZ	15.0233, 18.7052, 34.2711
YIQ	107.5600, -57.5390, -8.9870

Conversions

Conversions Part 2

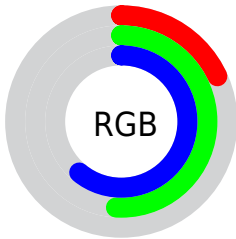
Format	Color
RYB	47, 94, 156
Decimal	3113372
CIELab	50.34, -15.61, -21.67
CIELCh	50, 26.703, 234.229
Yxy	18.7052, 0.2209, 0.2751
Android (android.graphics.Color)	4281303452 (0xFF2F819C)
YUV	107.5600, 23.8809, -53.1111
Hunter-Lab	43.2495, -13.6823, -16.7070

Details

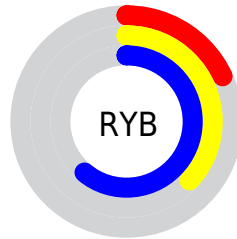
The XYZ color **15.0233, 18.7052, 34.2711** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **16.6728, 12.1715, 4.1606**, and the grayscale version is **14.0786, 14.8118, 16.1300**.

A 20% lighter version of the original color is **34.5492, 41.2848, 67.7759**, and **5.4185, 6.7572, 14.3833** is the 20% darker color. If you saturate the color by 10%, you get **13.9293, 17.4001, 34.0772**, and if you desaturate by 10%, it is **16.3949, 20.1826, 34.4843**.

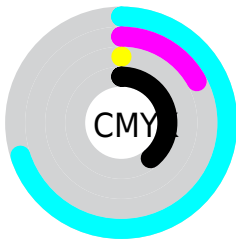
Distribution



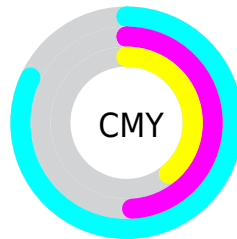
- Red (18%)
- Green (51%)
- Blue (61%)



- Red (18%)
- Yellow (37%)
- Blue (61%)



- Cyan (70%)
- Magenta (17%)
- Yellow (0%)
- Black (39%)



- Cyan (82%)
- Magenta (49%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0233, 18.7052, 34.2711 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 15.0233, 18.7052, 34.2711 by changing the saturation by 10% instead.

■ 15.0233, 18.7052,
34.2711

■ 15.0233, 18.7052,
34.2711

■ 216.8928,
244.8164, 336.1452

■ 8.9222, 11.4575,
22.8229

■ 34.4654, 41.2354,
67.4937

■ 4.7471, 6.3754,
14.2587

■ 48.5370, 57.2866,
90.1053

■ 2.1329, 3.0747,
8.1600

■ 65.9962, 77.0410,
117.2750

■ 0.7070, 1.1708,
4.1083

■ 87.2083, 100.8832,
149.4214

■ 0.0000, 0.0377,
1.6849

■ 112.5386,
129.1974, 186.9631

■ 0.0000, 0.0000,
0.3504

■ 142.3526,

■ 0.0000, 0.0000,

162.3681, 230.3186

0.0000

177.0155,
200.7796, 279.9064

■ 15.0233, 18.7052,
34.2711

■ 15.0233, 18.7052,
34.2711

■ 13.9293, 17.4001,
34.0772

■ 16.3949, 20.1826,
34.4843

■ 13.0819, 16.2501,
33.8999

■ 18.0670, 21.8436,
34.7168

■ 12.4125, 15.2198,
33.7363

■ 20.0623, 23.7003,
34.9700

■ 12.4039, 15.2066,
33.7342

■ 22.4005, 25.7632,
35.2450

■ 25.0999, 28.0422,
35.5426

■ 28.1772, 30.5460,
35.8637

■ 31.6483, 33.2832,
36.2091

■ 35.5279, 36.2616,
36.5795

■ 39.8302, 39.4888,
36.9756

Harmonies

Analogous

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



13.6125, 18.7052, 26.7995



15.0233, 18.7052, 34.2711



17.2826, 18.7052, 38.1107

Triad

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



15.0233, 18.7052, 34.2711



23.2089, 18.7052, 21.8350



15.8120, 18.7052, 9.9316

Complementary

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



15.0233, 18.7052, 34.2711



16.6728, 12.1715, 4.1606

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.



18.2843, 18.7052, 9.2159



15.0233, 18.7052, 34.2711



22.7185, 18.7052, 15.0558

Square

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



15.0233, 18.7052, 34.2711



22.1338, 18.7052, 29.8947



20.8520, 18.7052, 10.8470



14.0360, 18.7052, 13.1147

Rectangle

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



15.0233, 18.7052, 34.2711



19.0313, 18.7052, 37.5586



20.8520, 18.7052, 10.8470



16.5824, 18.7052, 9.4329

Sweetspot

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



15.0239, 18.7059, 34.2716



44.7852, 50.2652, 64.4685



14.2452, 24.8553, 10.2529



9.5727, 10.8245, 14.1552



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.0239, 18.7059, 34.2716



24.3566, 30.3605, 61.7032



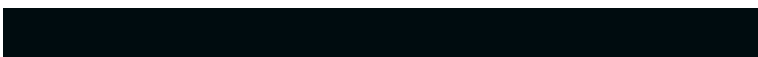
9.7628, 8.1835, 32.5178



6.6826, 7.2309, 8.4502



10.2452, 12.5819, 27.7958



0.2140, 0.2866, 0.5073

Inverse Universe

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



18.6898, 10.6866, 21.8473



31.9177, 16.4980, 35.4767



21.8047, 22.4354, 5.8712



6.8339, 6.7265, 7.9764



13.9695, 6.8924, 14.6222



0.2653, 0.1295, 0.3433

Previews

White Background



This preview shows how the XYZ color 15.0233, 18.7052, 34.2711 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 15.0233, 18.7052, 34.2711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

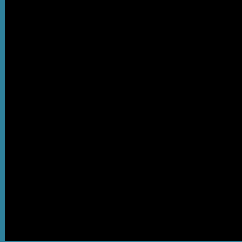
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.0233, 18.7052, 34.2711

Background



This preview shows how black text looks on a background with the XYZ color 15.0233, 18.7052, 34.2711.

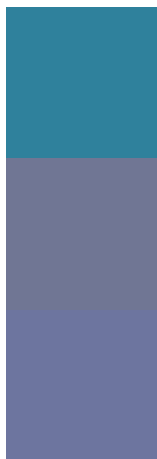


This preview shows how white text looks on a background with the XYZ color 15.0233, 18.7052,

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

15.0233, 18.7052, 34.2711

Protanopia

18.5058, 18.5397, 30.6201

Deuteranopia

18.9260, 18.4770, 35.3698



Tritanopia

13.7981, 18.5977, 28.4537

Trichromacy



Original Color

15.0233, 18.7052, 34.2711

Protanomaly

16.5699, 18.2281, 31.9232

Deuteranomaly

16.8467, 18.1218, 34.9577

Tritanomaly

14.1635, 18.5433, 30.4365

Monochromacy



Original Color

15.0233, 18.7052, 34.2711

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.7848, 15.9499, 21.7541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0233, 18.7052, 34.2711 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(47, 129, 156)` looks like.

```
.text, #text, p{  
  color:rgb(47, 129, 156)  
}
```

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(47, 129, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 129, 156) }
```

Border

The CSS property to change the border of an element to XYZ 15.0233, 18.7052, 34.2711 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(47, 129, 156) }
```


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

```
.border{ border-color:rgb(47, 129, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 129, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 129, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 129, 156);  
box-shadow:4px 4px 4px 4px rgb(47, 129,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0233, 18.7052, 34.2711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 129, 156) }
```

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

```
.background{ background-color: rgb(47, 129,  
156) }
```

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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