

Converting Colors

XYZ(15.4468, 18.3802, 41.2617)

Have a look what the booklet for
XYZ(15.4468, 18.3802, 41.2617)
contains.

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Color

**XYZ(15.4468, 18.3802,
41.2617)**

Conversions

Conversions Part 1

Format	Color
Hex	1D7FAB
RGB	29, 127, 171
RGB Percent	11%, 50%, 67%
CMY	0.8862, 0.5020, 0.3294
CMYK	0.83, 0.26, 0.00, 0.33
HSL	199°, 71%, 39%
HSV	199°, 83%, 67%
XYZ	15.4468, 18.3802, 41.2617
YIQ	102.7140, -72.5320, -7.0920

Conversions

Conversions Part 2

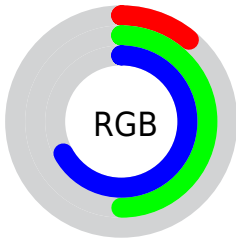
Format	Color
R _Y B	29, 87, 171
Decimal	1933227
CIE Lab	49.95, -11.43, -31.02
CIE LCh	50, 33.054, 249.776
Yxy	18.3802, 0.2057, 0.2448
Android (android.graphics.Color)	4280123307 (0xFF1D7FAB)
YUV	102.7140, 33.6650, -64.6472
Hunter-Lab	42.8721, -10.7128, -27.0524

Details

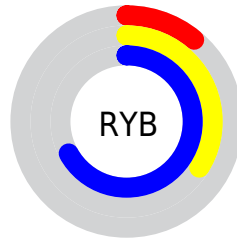
The XYZ color **15.4468, 18.3802, 41.2617** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **19.4003, 13.5140, 2.7494**, and the grayscale version is **12.7459, 13.4097, 14.6031**.

A 20% lighter version of the original color is **35.3320, 40.8412, 78.6940**, and **6.0542, 6.7807, 18.4425** is the 20% darker color. If you saturate the color by 10%, you get **14.4242, 16.8639, 41.0233**, and if you desaturate by 10%, it is **16.7748, 20.1080, 41.5256**.

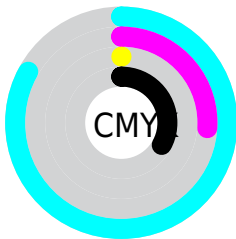
Distribution



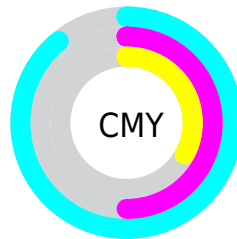
- Red (11%)
- Green (50%)
- Blue (67%)



- Red (11%)
- Yellow (34%)
- Blue (67%)



- Cyan (83%)
- Magenta (26%)
- Yellow (0%)
- Black (33%)



- Cyan (89%)
- Magenta (50%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4468, 18.3802, 41.2617 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 15.4468, 18.3802, 41.2617 by changing the saturation by 10% instead.

■ 15.4468, 18.3802,
41.2617

■ 15.4468, 18.3802,
41.2617

■ 219.3900,
243.0054, 367.1222

■ 9.2219, 11.2233,
28.2024

■ 35.2004, 40.6841,
78.3390

■ 4.9445, 6.2172,
18.2379

■ 49.4598, 56.5999,
103.1940

■ 2.2491, 2.9776,
10.9497

■ 67.1280, 76.2041,
132.8181

■ 0.7684, 1.1201,
5.9193

■ 88.5706, 99.8812,
167.6297

■ 0.0000, 0.0000,
2.7281

■ 114.1526,
128.0154, 208.0473

■ 0.0000, 0.0000,
0.9575

■ 144.2397,

■ 0.0000, 0.0000,

160.9913, 254.4896

0.0000

179.1970,
199.1931, 307.3750

■ 15.4468, 18.3802,
41.2617

■ 15.4468, 18.3802,
41.2617

■ 14.4242, 16.8639,
41.0233

■ 16.7748, 20.1080,
41.5256

■ 13.8303, 15.8994,
40.8684

■ 18.4456, 22.0665,
41.8155

■ 20.4931, 24.2741,
42.1337

■ 22.9460, 26.7466,
42.4817

■ 25.8304, 29.4980,
42.8607

■ 29.1698, 32.5412,
43.2721

■ 32.9861, 35.8883,
43.7171

■ 37.2998, 39.5504,
44.1966

■ 42.1299, 43.5382,
44.7117

Harmonies

Analogous

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



13.1925, 18.3802, 33.3836



15.4468, 18.3802, 41.2617



18.5251, 18.3802, 42.6086

Triad

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



15.4468, 18.3802, 41.2617



24.1895, 18.3802, 17.1935



13.8540, 18.3802, 9.3734

Complementary

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



15.4468, 18.3802, 41.2617



19.4003, 13.5140, 2.7494

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.



16.4554, 18.3802, 7.2706



15.4468, 18.3802, 41.2617



22.5842, 18.3802, 10.7951

Square

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



15.4468, 18.3802, 41.2617



23.8344, 18.3802, 26.6725



19.6622, 18.3802, 7.6975



12.3530, 18.3802, 14.5658

Rectangle

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



15.4468, 18.3802, 41.2617



20.6741, 18.3802, 39.3040



19.6622, 18.3802, 7.6975



14.6150, 18.3802, 8.3655

Sweetspot

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



15.4475, 18.3808, 41.2622



50.7227, 56.9163, 77.3145



16.2273, 29.8504, 10.9711



10.8508, 12.2743, 17.1850



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



15.4475, 18.3808, 41.2622



24.5725, 28.0814, 73.1270



9.3416, 6.1690, 39.2269



8.0238, 8.6469, 10.1988



10.4743, 12.0824, 30.8246



0.3371, 0.4275, 0.8727

Inverse Universe

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



21.0654, 11.0699, 21.1055



35.8364, 17.8092, 31.7294



26.7798, 28.2730, 5.2092



8.2298, 8.1052, 9.5209



15.1506, 7.5228, 13.7042



0.4445, 0.2185, 0.5026

Previews

White Background



This preview shows how the XYZ color 15.4468, 18.3802, 41.2617 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 15.4468, 18.3802, 41.2617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

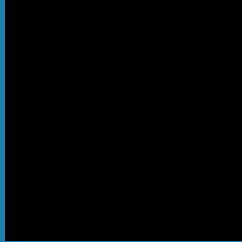
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.4468, 18.3802, 41.2617

Background



This preview shows how black text looks on a background with the XYZ color 15.4468, 18.3802, 41.2617.

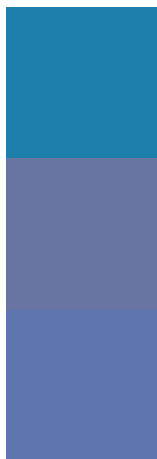


This preview shows how white text looks on a background with the XYZ color 15.4468, 18.3802,

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

15.4468, 18.3802, 41.2617

Protanopia

18.6811, 18.3100, 37.1999

Deuteranopia

18.6234, 18.1726, 42.0613



Tritanopia

12.9988, 18.1856, 28.4162

Trichromacy



Original Color

15.4468, 18.3802, 41.2617

Protanomaly

16.7809, 18.0057, 38.6674

Deuteranomaly

16.8823, 17.9929, 41.6129

Tritanomaly

13.8704, 18.3363, 32.9452

Monochromacy



Original Color

15.4468, 18.3802, 41.2617

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6709, 14.6834, 22.5884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4468, 18.3802, 41.2617 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(29, 127, 171)` looks like.

```
.text, #text, p{  
  color:rgb(29, 127, 171)  
}
```

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(29, 127, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 127, 171) }
```

Border

The CSS property to change the border of an element to XYZ 15.4468, 18.3802, 41.2617 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(29, 127, 171) }
```


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

```
.border{ border-color:rgb(29, 127, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 127, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 127, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 127, 171);  
box-shadow:4px 4px 4px 4px rgb(29, 127,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4468, 18.3802, 41.2617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 127, 171) }
```

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

```
.background{ background-color: rgb(29, 127,  
171) }
```

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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