

Converting Colors

XYZ(15.4250, 18.4970, 38.5300)

Have a look what the booklet for
XYZ(15.4250, 18.4970, 38.5300)
contains.

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Color

**XYZ(15.3357, 18.3876,
38.3382)**

Conversions

Conversions Part 1

Format	Color
Hex	2A7FA5
RGB	42, 127, 165
RGB Percent	16%, 50%, 65%
CMY	0.8353, 0.5020, 0.3529
CMYK	0.75, 0.23, 0.00, 0.35
HSL	199°, 59%, 41%
HSV	199°, 75%, 65%
XYZ	15.3357, 18.3876, 38.3382
YIQ	105.9170, -62.8580, -6.2020

Conversions

Conversions Part 2

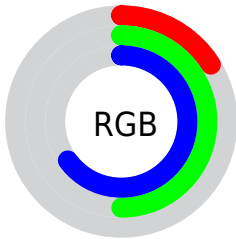
Format	Color
R _Y B	42, 92, 165
Decimal	2785189
CIE Lab	49.96, -12.12, -27.50
CIE LCh	50, 30.051, 246.214
Yxy	18.3876, 0.2128, 0.2552
Android (android.graphics.Color)	4280975269 (0xFF2A7FA5)
YUV	105.9170, 29.1279, -56.0552
Hunter-Lab	42.8808, -11.2033, -22.9926

Details

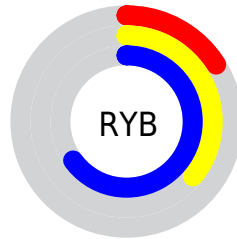
The XYZ color **15.3357, 18.3876, 38.3382** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **18.8043, 13.9048, 3.8839**, and the grayscale version is **13.6128, 14.3217, 15.5964**.

A 20% lighter version of the original color is **35.0652, 40.8131, 73.7397**, and **5.7050, 6.6410, 16.6039** is the 20% darker color. If you saturate the color by 10%, you get **14.1529, 16.8253, 38.0994**, and if you desaturate by 10%, it is **16.8309, 20.1610, 38.6021**.

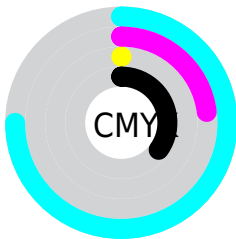
Distribution



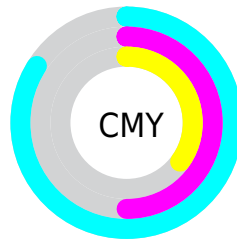
- Red (16%)
- Green (50%)
- Blue (65%)



- Red (16%)
- Yellow (36%)
- Blue (65%)



- Cyan (75%)
- Magenta (23%)
- Yellow (0%)
- Black (35%)



- Cyan (84%)
- Magenta (50%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3357, 18.3876, 38.3382 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 15.3357, 18.3876, 38.3382 by changing the saturation by 10% instead.

■ 15.3357, 18.3876,
38.3382

■ 15.3357, 18.3876,
38.3382

■ 218.7375,
243.0468, 354.4101

■ 9.1432, 11.2286,
25.9414

■ 35.0079, 40.6967,
73.8354

■ 4.8925, 6.2208,
16.5544

■ 49.2182, 56.6156,
97.7729

■ 2.2185, 2.9798,
9.7587

■ 66.8319, 76.2232,
126.3943

■ 0.7524, 1.1212,
5.1358

■ 88.2143, 99.9041,
160.1183

■ 0.0000, 0.0000,
2.2670

■ 113.7306,
128.0424, 199.3633

■ 0.0000, 0.0000,
0.7127

■ 143.7464,

■ 0.0000, 0.0000,

161.0227, 244.5479

0.0000

178.6269,
199.2294, 296.0907

■ 15.3357, 18.3876,
38.3382

■ 15.3357, 18.3876,
38.3382

■ 14.1529, 16.8253,
38.0994

■ 16.8309, 20.1610,
38.6021

■ 13.2431, 15.4523,
37.8823

■ 18.6675, 22.1602,
38.8912

■ 12.8116, 14.7566,
37.7708

■ 20.8731, 24.4005,
39.2073

■ 23.4717, 26.8950,
39.5518

■ 26.4853, 29.6556,
39.9259

■ 29.9341, 32.6934,
40.3304

■ 33.8369, 36.0188,
40.7666

■ 38.2115, 39.6415,
41.2353

■ 43.0746, 43.5708,
41.7374

Harmonies

Analogous

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



13.3762, 18.3876, 30.9374



15.3357, 18.3876, 38.3382



18.0836, 18.3876, 40.3060

Triad

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



15.3357, 18.3876, 38.3382



23.5851, 18.3876, 18.3518



14.4030, 18.3876, 9.7520

Complementary

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



15.3357, 18.3876, 38.3382



18.8043, 13.9048, 3.8839

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.



16.8839, 18.3876, 8.0250



15.3357, 18.3876, 38.3382



22.3401, 18.3876, 12.0321

Square

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



15.3357, 18.3876, 38.3382



23.0540, 18.3876, 27.1285



19.8086, 18.3876, 8.7267



12.8806, 18.3876, 14.2778

Rectangle

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



15.3357, 18.3876, 38.3382



20.0408, 18.3876, 37.9017



19.8086, 18.3876, 8.7267



15.1415, 18.3876, 8.8911

Sweetspot

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



15.3363, 18.3882, 38.3387



48.6868, 54.2315, 71.6540



15.8182, 27.9661, 11.9433



10.3191, 11.5655, 15.6260



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



15.3363, 18.3882, 38.3387



24.3013, 28.5976, 67.9914



9.7305, 7.1766, 36.4701



7.0906, 7.6402, 9.0041



9.7378, 11.2549, 28.5890



0.2435, 0.3143, 0.6137

Inverse Universe

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



20.1763, 11.1882, 21.1754



34.0495, 17.3383, 32.6957



25.3722, 27.0405, 6.0732



7.2707, 7.1647, 8.4119



14.0606, 6.9803, 12.7759



0.3151, 0.1545, 0.3719

Previews

White Background



This preview shows how the XYZ color 15.3357, 18.3876, 38.3382 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 15.3357, 18.3876, 38.3382 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 15.3357, 18.3876, 38.3382

Background



This preview shows how black text looks on a background with the XYZ color 15.3357, 18.3876, 38.3382.

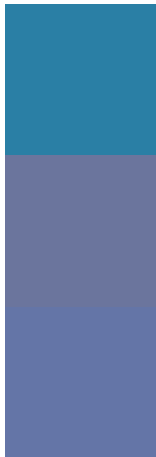


This preview shows how white text looks on a background with the XYZ color 15.3357, 18.3876,

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

15.3357, 18.3876, 38.3382

Protanopia

18.5105, 18.2827, 34.4516

Deuteranopia

18.5919, 18.2219, 39.0965



Tritanopia

13.2482, 18.3142, 28.4279

Trichromacy



Original Color

15.3357, 18.3876, 38.3382

Protanomaly

16.7498, 18.0518, 35.8592

Deuteranomaly

16.9448, 18.0902, 38.6751

Tritanomaly

13.9396, 18.4003, 31.6711

Monochromacy



Original Color

15.3357, 18.3876, 38.3382

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.4154, 15.4059, 22.3453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3357, 18.3876, 38.3382 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(42, 127, 165)` looks like.

```
.text, #text, p{  
  color:rgb(42, 127, 165)  
}
```

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(42, 127, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 127, 165) }
```

Border

The CSS property to change the border of an element to XYZ 15.3357, 18.3876, 38.3382 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(42, 127, 165) }
```


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

```
.border{ border-color:rgb(42, 127, 165) }
```

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

Here you see how a box with a 4 pixel rgb(42, 127, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 127, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 127, 165);  
box-shadow:4px 4px 4px 4px rgb(42, 127,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3357, 18.3876, 38.3382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 127, 165) }
```

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

```
.background{ background-color: rgb(42, 127,  
165) }
```

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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