

Converting Colors

XYZ(15.7705, 18.5573, 36.5828)

Have a look what the booklet for
XYZ(15.7705, 18.5573, 36.5828)
contains.

XYZ(15.8260, 18.6818, 36.4900)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(15.8260, 18.6818,
36.4900)**

Conversions

Conversions Part 1

Format	Color
Hex	3B7FA1
RGB	59, 127, 161
RGB Percent	23%, 50%, 63%
CMY	0.7686, 0.5020, 0.3686
CMYK	0.63, 0.21, 0.00, 0.37
HSL	200°, 46%, 43%
HSV	200°, 63%, 63%
XYZ	15.8260, 18.6818, 36.4900
YIQ	110.5440, -51.4420, -3.8420

Conversions

Conversions Part 2

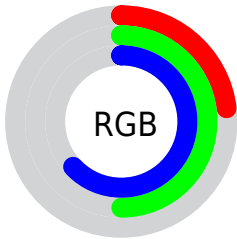
Format	Color
R _Y B	59, 100, 161
Decimal	3899297
CIE Lab	50.31, -10.76, -24.59
CIE LCh	50, 26.839, 246.369
Yxy	18.6818, 0.2229, 0.2631
Android (android.graphics.Color)	4282089377 (0xFF3B7FA1)
YUV	110.5440, 24.8748, -45.2041
Hunter-Lab	43.2224, -10.2811, -19.7991

Details

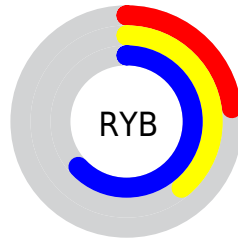
The XYZ color **15.8260, 18.6818, 36.4900** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **19.4022, 15.7222, 6.1504**, and the grayscale version is **14.9193, 15.6962, 17.0932**.

A 20% lighter version of the original color is **35.9184, 41.3134, 71.0469**, and **5.4847, 6.5529, 15.4438** is the 20% darker color. If you saturate the color by 10%, you get **14.3402, 16.9145, 36.2275**, and if you desaturate by 10%, it is **17.6443, 20.6760, 36.7795**.

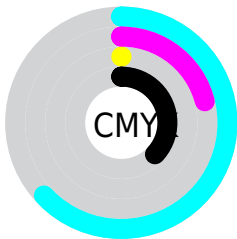
Distribution



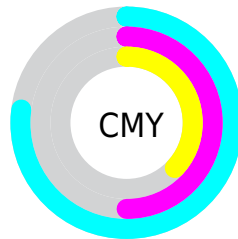
- Red (23%)
- Green (50%)
- Blue (63%)



- Red (23%)
- Yellow (39%)
- Blue (63%)



- Cyan (63%)
- Magenta (21%)
- Yellow (0%)
- Black (37%)



- Cyan (77%)
- Magenta (50%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8260, 18.6818, 36.4900 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 15.8260, 18.6818, 36.4900 by changing the saturation by 10% instead.

■ 15.8260, 18.6818,
36.4900

■ 15.8260, 18.6818,
36.4900

■ 221.6034,
244.6864, 346.1992

■ 9.4912, 11.4406,
24.5202

■ 35.8558, 41.1957,
70.9652

■ 5.1226, 6.3640,
15.5042

■ 50.2814, 57.2372,
94.3077

■ 2.3549, 3.0677,
9.0235

■ 68.1347, 76.9809,
122.2782

■ 0.8225, 1.1672,
4.6595

■ 89.7810, 100.8112,
155.2952

■ 0.0000, 0.0346,
1.9937

■ 115.5857,
129.1125, 193.7773

■ 0.0000, 0.0000,
0.5514

145.9141,

■ 0.0000, 0.0000,

162.2693, 238.1429

0.0000

181.1315,
200.6658, 288.8107

■ 15.8260, 18.6818,
36.4900

■ 15.8260, 18.6818,
36.4900

■ 14.3402, 16.9145,
36.2275

■ 17.6443, 20.6760,
36.7795

■ 13.1563, 15.3564,
35.9892

■ 19.8182, 22.9089,
37.0959

■ 12.2410, 13.9899,
35.7737

■ 22.3710, 25.3936,
37.4409

■ 11.7257, 13.1584,
35.6403

■ 25.3231, 28.1413,
37.8157

■ 28.6935, 31.1627,
38.2212

■ 32.5000, 34.4677,
38.6585

■ 36.7592, 38.0655,
39.1285

■ 41.4868, 41.9651,
39.6320

■ 46.6978, 46.1749,
40.1699

Harmonies

Analogous

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



14.0257, 18.6818, 30.0732



15.8260, 18.6818, 36.4900



18.3171, 18.6818, 38.1577

Triad

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



15.8260, 18.6818, 36.4900



23.2059, 18.6818, 18.7933



14.9525, 18.6818, 10.8494

Complementary

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



15.8260, 18.6818, 36.4900



19.4022, 15.7222, 6.1504

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.



17.2074, 18.6818, 9.1677



15.8260, 18.6818, 36.4900



22.0963, 18.6818, 12.9743

Square

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



15.8260, 18.6818, 36.4900



22.7445, 18.6818, 26.6408



19.8379, 18.6818, 9.8375



13.5569, 18.6818, 15.1225

Rectangle

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



15.8260, 18.6818, 36.4900



20.0720, 18.6818, 36.0646



19.8379, 18.6818, 9.8375



15.6263, 18.6818, 10.0168

Sweetspot

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



15.8266, 18.6825, 36.4905



47.6706, 52.4999, 68.0075



16.4503, 27.1805, 14.3456



10.1095, 11.2018, 14.8730



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.



15.8266, 18.6825, 36.4905



24.7555, 29.1112, 64.7008



10.9404, 8.9100, 34.8617



7.0763, 7.6115, 8.9993



9.4034, 10.5861, 28.4775



0.2382, 0.3037, 0.6119

Inverse Universe

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



20.0932, 12.2379, 21.3825



33.4829, 18.2715, 33.2715



25.2055, 27.3288, 8.0848



7.2635, 7.1618, 8.3738



13.8918, 6.9128, 11.8870



0.3124, 0.1535, 0.3578

Previews

White Background



This preview shows how the XYZ color 15.8260, 18.6818, 36.4900 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 15.8260, 18.6818, 36.4900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

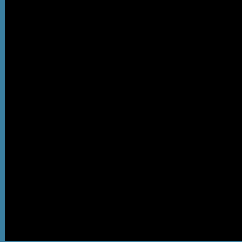
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.8260, 18.6818, 36.4900

Background



This preview shows how black text looks on a background with the XYZ color 15.8260, 18.6818, 36.4900.

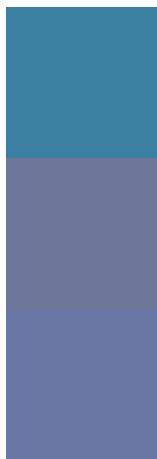


This preview shows how white text looks on a background with the XYZ color 15.8260, 18.6818,

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

15.8260, 18.6818, 36.4900

Protanopia

18.7416, 18.6050, 33.1752

Deuteranopia

19.0332, 18.6654, 37.2500



Tritanopia

14.1906, 18.8087, 28.0818

Trichromacy



Original Color

15.8260, 18.6818, 36.4900

Protanomaly

17.2376, 18.3332, 34.5284

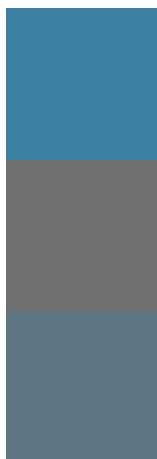
Deuteranomaly

17.4788, 18.4072, 36.8141

Tritanomaly

14.7961, 18.8603, 30.8775

Monochromacy



Original Color

15.8260, 18.6818, 36.4900

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.7374, 16.5829, 23.1929

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8260, 18.6818, 36.4900 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(59, 127, 161)` looks like.

```
.text, #text, p{  
    color:rgb(59, 127, 161)  
}
```

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(59, 127, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 127, 161) }
```

Border

The CSS property to change the border of an element to XYZ 15.8260, 18.6818, 36.4900 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(59, 127, 161) }
```


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

```
.border{ border-color:rgb(59, 127, 161) }
```

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

Here you see how a box with a 4 pixel rgb(59, 127, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 127, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 127, 161);  
box-shadow:4px 4px 4px 4px rgb(59, 127,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8260, 18.6818, 36.4900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 127, 161) }
```

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

```
.background{ background-color: rgb(59, 127,  
161) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor