

Converting Colors

XYZ(17.4362, 15.4741, 56.9025)

Have a look what the booklet for
XYZ(17.4362, 15.4741, 56.9025)
contains.

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Color

**XYZ(17.3830, 15.4080,
56.7014)**

Conversions

Conversions Part 1

Format	Color
Hex	3B6AC8
RGB	59, 106, 200
RGB Percent	23%, 42%, 78%
CMY	0.7686, 0.5843, 0.2157
CMYK	0.70, 0.47, 0.00, 0.22
HSL	220°, 56%, 51%
HSV	220°, 70%, 78%
XYZ	17.3830, 15.4080, 56.7014
YIQ	102.6630, -58.1860, 19.2700

Conversions

Conversions Part 2

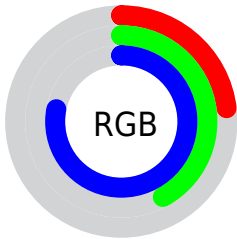
Format	Color
R_{YB}	59, 94, 200
Decimal	3893960
CIE _{Lab}	46.19, 15.76, -53.69
CIE _{LCh}	46, 55.952, 286.361
Yxy	15.4080, 0.1942, 0.1722
Android (android.graphics.Color)	4282084040 (0xFF3B6AC8)
YUV	102.6630, 47.9871, -38.2925
Hunter-Lab	39.2530, 10.3550, -58.1679

Details

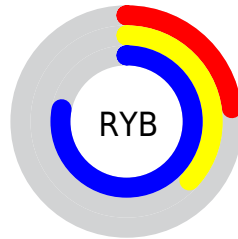
The XYZ color **17.3830, 15.4080, 56.7014** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **36.0020, 35.3808, 9.0706**, and the grayscale version is **12.6928, 13.3538, 14.5423**.

A 20% lighter version of the original color is **38.1330, 35.4715, 99.4446**, and **6.7267, 5.2761, 27.4519** is the 20% darker color. If you saturate the color by 10%, you get **15.1476, 12.3720, 56.2336**, and if you desaturate by 10%, it is **20.2874, 19.1063, 57.2625**.

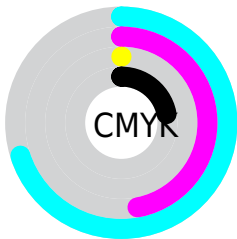
Distribution



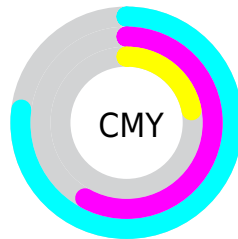
- Red (23%)
- Green (42%)
- Blue (78%)



- Red (23%)
- Yellow (37%)
- Blue (78%)



- Cyan (70%)
- Magenta (47%)
- Yellow (0%)
- Black (22%)



- Cyan (77%)
- Magenta (58%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.3830, 15.4080, 56.7014 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 17.3830, 15.4080, 56.7014 by changing the saturation by 10% instead.

■ 17.3830, 15.4080,
56.7014

■ 17.3830, 15.4080,
56.7014

230.4834,
225.8226, 429.7918

■ 10.6049, 9.1062,
40.3578

■ 38.5215, 35.5674,
101.5254

■ 5.8672, 4.8105,
27.5017

■ 53.6126, 50.1937,
130.8428

■ 2.8044, 2.1365,
17.7146

■ 72.2055, 68.3638,
165.3219

■ 1.0512, 0.6851,
10.5780

■ 94.6655, 90.4619,
205.3813

■ 0.0000, 0.0000,
5.6732

■ 121.3579,
116.8724, 251.4394

■ 0.0000, 0.0000,
2.5819

152.6481,

■ 0.0000, 0.0000,

147.9798, 303.9149

0.8831

188.9015,
184.1684, 363.2261

■ 0.0000, 0.0000,
0.0000

■ 17.3830, 15.4080,
56.7014

■ 17.3830, 15.4080,
56.7014

■ 15.1476, 12.3720,
56.2336

■ 20.2874, 19.1063,
57.2625

■ 13.5141, 9.9487,
55.8519

■ 23.9143, 23.5079,
57.9210

■ 12.4123, 8.1440,
55.5616

■ 28.3138, 28.6515,
58.6819

■ 33.5307, 34.5724,
59.5498

■ 39.6061, 41.3034,
60.5288

■ 46.5782, 48.8753,
61.6228

■ 54.4829, 57.3171,
62.8356

■ 63.3541, 66.6565,
64.1708

■ 73.2239, 76.9198,
65.6316

Harmonies

Analogous

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



12.5871, 15.4080, 57.4318



17.3830, 15.4080, 56.7014



22.3348, 15.4080, 42.2128

Triad

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



17.3830, 15.4080, 56.7014



21.9291, 15.4080, 4.0439



7.4183, 15.4080, 11.3144

Complementary

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



17.3830, 15.4080, 56.7014



36.0020, 35.3808, 9.0706

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.



8.9601, 15.4080, 4.3953



17.3830, 15.4080, 56.7014



16.9155, 15.4080, 2.0087

Square

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



17.3830, 15.4080, 56.7014



25.3242, 15.4080, 10.4126



12.2105, 15.4080, 2.0882



7.4902, 15.4080, 25.3159

Rectangle

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



17.3830, 15.4080, 56.7014



24.7549, 15.4080, 29.6651



12.2105, 15.4080, 2.0882



7.7477, 15.4080, 8.2954

Sweetspot

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



17.3837, 15.4085, 56.7018



67.6678, 70.5185, 104.6527



28.2086, 44.5389, 37.2486



13.8277, 14.3713, 22.2951



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



17.3837, 15.4085, 56.7018



24.4877, 18.8950, 96.9642



15.5138, 9.1157, 55.5857



10.3407, 10.8555, 13.4678



7.9663, 5.3266, 35.3526



0.4441, 0.3860, 1.6962

Inverse Universe

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



27.9856, 16.4489, 15.3358



44.7824, 23.7988, 17.1258



39.4623, 50.9134, 11.8863



10.7772, 10.6943, 11.8103



15.8204, 8.0777, 4.2640



0.7829, 0.3960, 0.3798

Previews

White Background



This preview shows how the XYZ color 17.3830, 15.4080, 56.7014 looks on a white 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

Black Background



This preview shows how the XYZ color 17.3830, 15.4080, 56.7014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

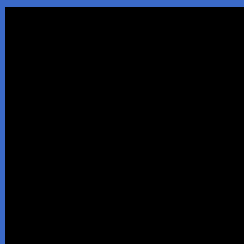
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

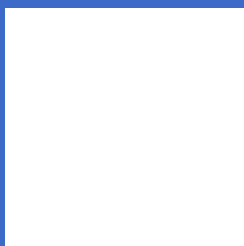
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.3830, 15.4080, 56.7014

Background



This preview shows how black text looks on a background with the XYZ color 17.3830, 15.4080, 56.7014.



This preview shows how white text looks on a background with the XYZ color 17.3830, 15.4080,

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

17.3830, 15.4080, 56.7014

Protanopia

17.5038, 15.4703, 56.7071

Deuteranopia

15.6482, 15.3544, 54.3635



Tritanopia

10.8666, 15.2865, 23.4969

Trichromacy



Original Color

17.3830, 15.4080, 56.7014

Protanomaly

17.4428, 15.4389, 56.7042

Deuteranomaly

15.8559, 15.1279, 54.9076

Tritanomaly

12.4710, 15.0168, 33.2516

Monochromacy



Original Color

17.3830, 15.4080, 56.7014

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.4682, 13.7618, 25.9912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.3830, 15.4080, 56.7014 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, 106, 200)` looks like.

```
.text, #text, p{  
    color:rgb(59, 106, 200)  
}
```

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, 106, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 106, 200) }
```

Border

The CSS property to change the border of an element to XYZ 17.3830, 15.4080, 56.7014 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, 106, 200) }
```


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

```
.border{ border-color:rgb(59, 106, 200) }
```

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

Here you see how a box with a 4 pixel rgb(59, 106, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 106, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 106, 200);  
box-shadow:4px 4px 4px 4px rgb(59, 106,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 17.3830, 15.4080, 56.7014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 106, 200) }
```

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

```
.background{ background-color: rgb(59, 106,  
200) }
```

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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