

Converting Colors

XYZ(15.6204, 18.8157, 33.8440)

Have a look what the booklet for
XYZ(15.6204, 18.8157, 33.8440)
contains.

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Color

**XYZ(15.6222, 18.8290,
33.8213)**

Conversions

Conversions Part 1

Format	Color
Hex	3E809B
RGB	62, 128, 155
RGB Percent	24%, 50%, 61%
CMY	0.7568, 0.4980, 0.3922
CMYK	0.60, 0.17, 0.00, 0.39
HSL	197°, 43%, 43%
HSV	197°, 60%, 61%
XYZ	15.6222, 18.8290, 33.8213
YIQ	111.3440, -48.0030, -5.5950

Conversions

Conversions Part 2

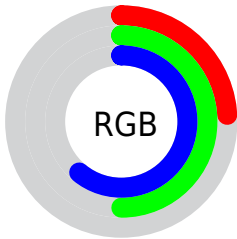
Format	Color
R _Y B	62, 101, 155
Decimal	4096155
CIE Lab	50.49, -12.69, -20.82
CIE LCh	50, 24.381, 238.627
Yxy	18.8290, 0.2288, 0.2758
Android (android.graphics.Color)	4282286235 (0xFF3E809B)
YUV	111.3440, 21.5224, -43.2747
Hunter-Lab	43.3924, -11.6728, -15.8377

Details

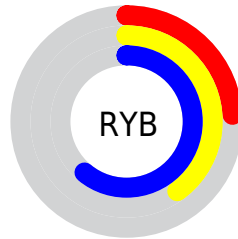
The XYZ color **15.6222, 18.8290, 33.8213** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **17.9602, 14.4621, 6.4031**, and the grayscale version is **15.1594, 15.9489, 17.3683**.

A 20% lighter version of the original color is **35.6279, 41.5524, 67.1154**, and **5.2947, 6.5914, 14.0899** is the 20% darker color. If you saturate the color by 10%, you get **14.2114, 17.2499, 33.5912**, and if you desaturate by 10%, it is **17.3375, 20.6045, 34.0739**.

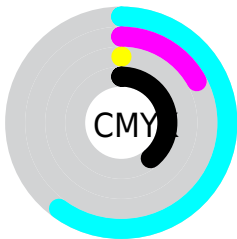
Distribution



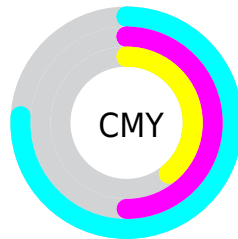
- Red (24%)
- Green (50%)
- Blue (61%)



- Red (24%)
- Yellow (40%)
- Blue (61%)



- Cyan (60%)
- Magenta (17%)
- Yellow (0%)
- Black (39%)



- Cyan (76%)
- Magenta (50%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6222, 18.8290, 33.8213 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 15.6222, 18.8290, 33.8213 by changing the saturation by 10% instead.

■ 15.6222, 18.8290,
33.8213

■ 15.6222, 18.8290,
33.8213

220.4164,
245.5031, 334.0793

■ 9.3464, 11.5468,
22.4801

■ 35.5038, 41.4450,
66.7864

■ 5.0267, 6.4359,
14.0084

■ 49.8403, 57.5475,
89.2474

■ 2.2979, 3.1119,
7.9877

■ 67.5945, 77.3589,
116.2520

■ 0.7936, 1.1904,
3.9994

■ 89.1315, 101.2636,
148.2189

■ 0.0000, 0.0539,
1.6250

■ 114.8169,
129.6460, 185.5665

■ 0.0000, 0.0000,
0.3086

145.0159,

■ 0.0000, 0.0000,

162.8904, 228.7134

0.0000

180.0940,
201.3813, 278.0782

■ 15.6222, 18.8290,
33.8213

■ 15.6222, 18.8290,
33.8213

■ 14.2114, 17.2499,
33.5912

■ 17.3375, 20.6045,
34.0739

■ 13.0787, 15.8520,
33.3811

■ 19.3772, 22.5859,
34.3489

■ 12.1958, 14.6205,
33.1899

■ 21.7616, 24.7847,
34.6476

■ 11.4926, 13.5188,
33.0143

■ 24.5087, 27.2105,
34.9711

■ 11.4924, 13.5184,
33.0143

■ 27.6353, 29.8726,
35.3201

■ 31.1570, 32.7792,
35.6955

■ 35.0884, 35.9386,
36.0982

■ 39.4436, 39.3583,
36.5287

■ 44.2358, 43.0456,
36.9878

Harmonies

Analogous

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



14.1791, 18.8290, 27.4292



15.6222, 18.8290, 33.8213



17.7872, 18.8290, 36.5569

Triad

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



15.6222, 18.8290, 33.8213



22.8621, 18.8290, 20.8167



15.7960, 18.8290, 11.0295

Complementary

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



15.6222, 18.8290, 33.8213



17.9602, 14.4621, 6.4031

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.



18.0061, 18.8290, 10.0075



15.6222, 18.8290, 33.8213



22.2125, 18.8290, 14.8512

Square

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



15.6222, 18.8290, 33.8213



22.0863, 18.8290, 28.0938



20.3812, 18.8290, 11.2382



14.2730, 18.8290, 14.4175

Rectangle

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



15.6222, 18.8290, 33.8213



19.3953, 18.8290, 35.5640



20.3812, 18.8290, 11.2382



16.4768, 18.8290, 10.4360

Sweetspot

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



15.6228, 18.8297, 33.8218



44.7659, 49.4856, 62.7286



15.4846, 25.1777, 13.3533



9.8055, 10.9178, 14.1609



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.



15.6228, 18.8297, 33.8218



24.7059, 30.0040, 60.0255



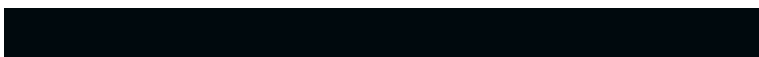
10.9324, 9.4488, 32.2583



6.2330, 6.7234, 7.8982



9.2644, 10.9256, 26.5283



0.1693, 0.2248, 0.4068

Inverse Universe

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



19.1370, 11.9731, 21.7251



31.9300, 17.8628, 34.7206



23.0307, 24.6031, 8.0933



6.3847, 6.2931, 7.4061



13.1350, 6.5082, 12.5020



0.2119, 0.1035, 0.2686

Previews

White Background



This preview shows how the XYZ color 15.6222, 18.8290, 33.8213 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 15.6222, 18.8290, 33.8213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

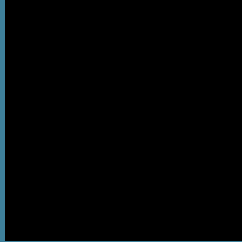
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.6222, 18.8290, 33.8213

Background



This preview shows how black text looks on a background with the XYZ color 15.6222, 18.8290, 33.8213.

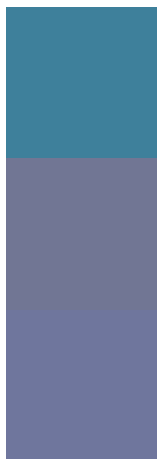


This preview shows how white text looks on a background with the XYZ color 15.6222, 18.8290,

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

15.6222, 18.8290, 33.8213

Protanopia

18.6338, 18.6057, 30.6261

Deuteranopia

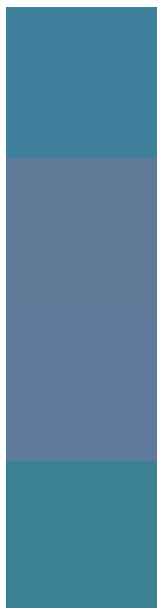
19.1198, 18.7707, 34.5137



Tritanopia

14.4212, 18.7291, 28.0543

Trichromacy



Original Color

15.6222, 18.8290, 33.8213

Protanomaly

17.1615, 18.5331, 31.9509

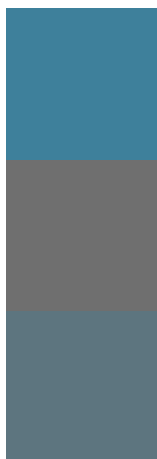
Deuteranomaly

17.4745, 18.6465, 34.1306

Tritanomaly

14.7835, 18.6754, 30.0197

Monochromacy



Original Color

15.6222, 18.8290, 33.8213

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.7063, 16.5820, 22.5042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6222, 18.8290, 33.8213 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(62, 128, 155)` looks like.

```
.text, #text, p{  
    color:rgb(62, 128, 155)  
}
```

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(62, 128, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 128, 155) }
```

Border

The CSS property to change the border of an element to XYZ 15.6222, 18.8290, 33.8213 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(62, 128, 155) }
```


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

```
.border{ border-color:rgb(62, 128, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 128, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 128, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 128, 155);  
box-shadow:4px 4px 4px 4px rgb(62, 128,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6222, 18.8290, 33.8213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 128, 155) }
```

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

```
.background{ background-color: rgb(62, 128,  
155) }
```

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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