

Converting Colors

XYZ(16.3992, 15.8790, 33.6531)

Have a look what the booklet for
XYZ(16.3992, 15.8790, 33.6531)
contains.

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Color

**XYZ(16.3992, 15.8790,
33.6531)**

Conversions

Conversions Part 1

Format	Color
Hex	616D9C
RGB	97, 109, 156
RGB Percent	38%, 43%, 61%
CMY	0.6196, 0.5725, 0.3882
CMYK	0.38, 0.30, 0.00, 0.39
HSL	228°, 23%, 50%
HSV	228°, 38%, 61%
XYZ	16.3992, 15.8790, 33.6531
YIQ	110.7700, -22.2390, 12.0730

Conversions

Conversions Part 2

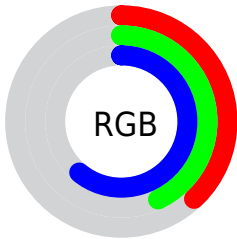
Format	Color
R _Y B	97, 107, 156
Decimal	6385052
CIE Lab	46.82, 7.60, -26.92
CIE LCh	47, 27.973, 285.762
Yxy	15.8790, 0.2487, 0.2408
Android (android.graphics.Color)	4284575132 (0xFF616D9C)
YUV	110.7700, 22.2984, -12.0763
Hunter-Lab	39.8485, 3.7249, -22.1781

Details

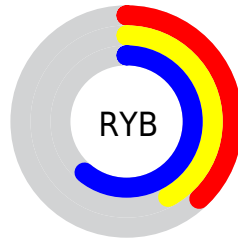
The XYZ color **16.3992, 15.8790, 33.6531** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.8417, 27.8781, 15.3290**, and the grayscale version is **14.9854, 15.7659, 17.1690**.

A 20% lighter version of the original color is **36.9064, 36.3288, 66.6950**, and **5.3936, 5.0491, 13.7870** is the 20% darker color. If you saturate the color by 10%, you get **13.6643, 12.6385, 33.1721**, and if you desaturate by 10%, it is **19.6496, 19.6641, 34.2127**.

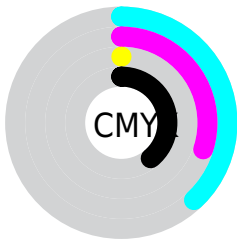
Distribution



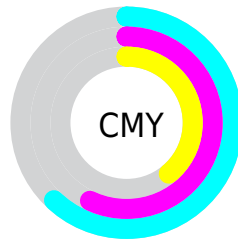
- Red (38%)
- Green (43%)
- Blue (61%)



- Red (38%)
- Yellow (42%)
- Blue (61%)



- Cyan (38%)
- Magenta (30%)
- Yellow (0%)
- Black (39%)



- Cyan (62%)
- Magenta (57%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3992, 15.8790, 33.6531 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 16.3992, 15.8790, 33.6531 by changing the saturation by 10% instead.

■ 16.3992, 15.8790,
33.6531

■ 16.3992, 15.8790,
33.6531

224.9103,
228.6267, 333.3043

■ 9.8997, 9.4386,
22.3520

■ 36.8417, 36.3880,
66.5216

■ 5.3943, 5.0283,
13.9150

■ 51.5155, 51.2254,
88.9260

■ 2.5175, 2.2639,
7.9235

■ 69.6447, 69.6305,
115.8687

■ 0.9041, 0.7545,
3.9590

■ 91.5948, 91.9879,
147.7682

■ 0.0000, 0.0000,
1.6029

117.7310,
118.6817, 185.0429

■ 0.0000, 0.0000,
0.2929

148.4188,

■ 0.0000, 0.0000,

150.0966, 228.1115

0.0000

184.0234,
186.6167, 277.3924

■ 16.3992, 15.8790,
33.6531

■ 16.3992, 15.8790,
33.6531

■ 13.6643, 12.6385,
33.1721

■ 19.6496, 19.6641,
34.2127

■ 11.4161, 9.9153,
32.7649

■ 23.4388, 24.0159,
34.8529

■ 9.6255, 7.6822,
32.4283

■ 27.7908, 28.9573,
35.5774

■ 8.2596, 5.9089,
32.1580

■ 32.7275, 34.5096,
36.3889

■ 7.2806, 4.5611,
31.9494

■ 38.2698, 40.6928,
37.2902

■ 6.6280, 3.5916,
31.7967

■ 44.4375, 47.5262,
38.2841

■ 6.5100, 3.4187,
31.7695

■ 51.2493, 55.0280,
39.3731

■ 58.7233, 63.2159,
40.5596

■ 66.8770, 72.1068,
41.8460

Harmonies

Analogous

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



13.9710, 15.8790, 33.7971



16.3992, 15.8790, 33.6531



18.6981, 15.8790, 28.4210

Triad

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



16.3992, 15.8790, 33.6531



18.5968, 15.8790, 9.3579



10.9973, 15.8790, 14.1995

Complementary

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



16.3992, 15.8790, 33.6531



25.8417, 27.8781, 15.3290

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.



11.9831, 15.8790, 9.5263



16.3992, 15.8790, 33.6531



16.2725, 15.8790, 7.2838

Square

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



16.3992, 15.8790, 33.6531



20.0569, 15.8790, 13.8997



13.8571, 15.8790, 7.3357



11.0234, 15.8790, 21.1900

Rectangle

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



16.3992, 15.8790, 33.6531



19.7724, 15.8790, 23.3931



13.8571, 15.8790, 7.3357



11.2163, 15.8790, 12.3523

Sweetspot

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



16.3998, 15.8796, 33.6535



47.6718, 49.4213, 64.1534



21.7931, 28.3085, 30.3887



10.2717, 10.6274, 14.0803



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.



16.3998, 15.8796, 33.6535



25.7056, 24.0154, 60.4073



17.1787, 14.5089, 33.3478



6.3886, 6.6430, 8.3522



5.3832, 2.8580, 26.1751



0.1222, 0.1029, 0.4767

Inverse Universe

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



20.7458, 16.7221, 16.6029



34.8061, 26.1051, 24.6311



24.7414, 30.1538, 15.8262



6.6855, 6.6671, 7.1950



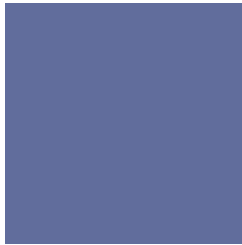
11.5154, 5.9107, 1.6992



0.2190, 0.1109, 0.0992

Previews

White Background



This preview shows how the XYZ color 16.3992, 15.8790, 33.6531 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 16.3992, 15.8790, 33.6531 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

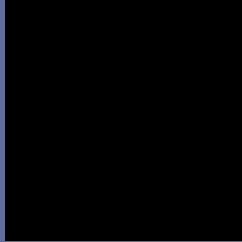
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

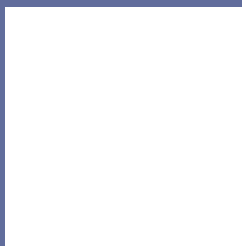
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3992, 15.8790, 33.6531

Background



This preview shows how black text looks on a background with the XYZ color 16.3992, 15.8790, 33.6531.



This preview shows how white text looks on a background with the XYZ color 16.3992, 15.8790,

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

16.3992, 15.8790, 33.6531

Protanopia

16.2933, 15.8244, 33.6482

Deuteranopia

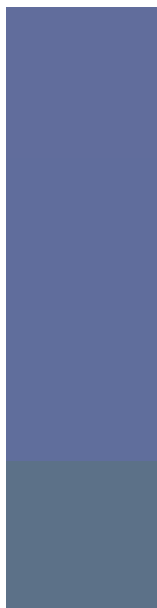
16.2960, 15.9851, 33.6790



Tritanopia

13.8886, 15.8406, 21.3943

Trichromacy



Original Color

16.3992, 15.8790, 33.6531

Protanomaly

16.2933, 15.8244, 33.6482

Deuteranomaly

16.4006, 16.0390, 33.6839

Tritanomaly

14.7627, 15.8631, 25.5764

Monochromacy



Original Color

16.3992, 15.8790, 33.6531

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.3506, 15.7483, 22.3093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3992, 15.8790, 33.6531 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(97, 109, 156) looks like.

```
.text, #text, p{  
    color:rgb(97, 109, 156)  
}
```

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(97, 109, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 109, 156) }
```

Border

The CSS property to change the border of an element to XYZ 16.3992, 15.8790, 33.6531 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(97, 109, 156) }
```


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

```
.border{ border-color:rgb(97, 109, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 109, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 109, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 109, 156);  
box-shadow:4px 4px 4px 4px rgb(97, 109,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3992, 15.8790, 33.6531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 109, 156) }
```

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

```
.background{ background-color: rgb(97, 109,  
156) }
```

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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