

Converting Colors

XYZ(16.5777, 15.9112, 33.5760)

Have a look what the booklet for
XYZ(16.5777, 15.9112, 33.5760)
contains.

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Color

**XYZ(16.6150, 15.9902,
33.6632)**

Conversions

Conversions Part 1

Format	Color
Hex	636D9C
RGB	99, 109, 156
RGB Percent	39%, 43%, 61%
CMY	0.6118, 0.5725, 0.3882
CMYK	0.37, 0.30, 0.00, 0.39
HSL	229°, 22%, 50%
HSV	229°, 37%, 61%
XYZ	16.6150, 15.9902, 33.6632
YIQ	111.3680, -21.0470, 12.4970

Conversions

Conversions Part 2

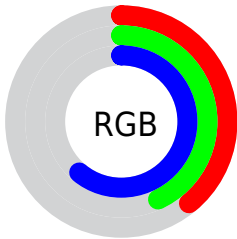
Format	Color
R _Y B	99, 108, 156
Decimal	6516124
CIE Lab	46.96, 8.18, -26.68
CIE LCh	47, 27.909, 287.051
Yxy	15.9902, 0.2507, 0.2413
Android (android.graphics.Color)	4284706204 (0xFF636D9C)
YUV	111.3680, 22.0036, -10.8467
Hunter-Lab	39.9877, 4.1886, -21.9211

Details

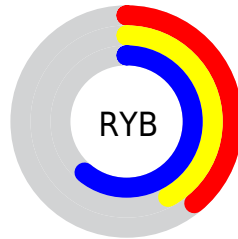
The XYZ color **16.6150, 15.9902, 33.6632** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **26.2419, 28.5272, 15.9283**, and the grayscale version is **15.1592, 15.9486, 17.3681**.

A 20% lighter version of the original color is **37.2776, 36.5202, 66.7124**, and **5.4879, 5.0977, 13.7914** is the 20% darker color. If you saturate the color by 10%, you get **13.7993, 12.6487, 33.1669**, and if you desaturate by 10%, it is **19.9619, 19.9043, 34.2426**.

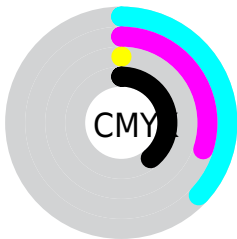
Distribution



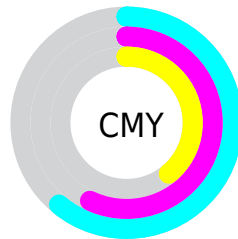
- Red (39%)
- Green (43%)
- Blue (61%)



- Red (39%)
- Yellow (42%)
- Blue (61%)



- Cyan (37%)
- Magenta (30%)
- Yellow (0%)
- Black (39%)



- Cyan (61%)
- Magenta (57%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6150, 15.9902, 33.6632 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 16.6150, 15.9902, 33.6632 by changing the saturation by 10% instead.

■ 16.6150, 15.9902,
33.6632

■ 16.6150, 15.9902,
33.6632

226.1436,
229.2839, 333.3508

■ 10.0540, 9.5172,
22.3597

■ 37.2115, 36.5812,
66.5375

■ 5.4973, 5.0801,
13.9206

■ 51.9777, 51.4680,
88.9453

■ 2.5796, 2.2943,
7.9274

■ 70.2097, 69.9282,
115.8917

■ 0.9356, 0.7707,
3.9614

■ 92.2728, 92.3462,
147.7952

■ 0.0000, 0.0000,
1.6042

118.5324,
119.1063, 185.0744

■ 0.0000, 0.0000,
0.2938

149.3538,

■ 0.0000, 0.0000,

150.5931, 228.1476

0.0000

185.1024,
187.1908, 277.4336

■ 16.6150, 15.9902,
33.6632

■ 16.6150, 15.9902,
33.6632

■ 13.7993, 12.6487,
33.1669

■ 19.9619, 19.9043,
34.2426

■ 11.4853, 9.8509,
32.7488

■ 23.8641, 24.4145,
34.9075

■ 9.6434, 7.5678,
32.4052

■ 28.3459, 29.5453,
35.6616

■ 8.2400, 5.7671,
32.1316

■ 33.4301, 35.3192,
36.5081

■ 7.2365, 4.4126,
31.9231

■ 39.1378, 41.7574,
37.4500

■ 6.5801, 3.4586,
31.7735

■ 45.4895, 48.8804,
38.4901

■ 6.4012, 3.2011,
31.7333

■ 52.5044, 56.7076,
39.6312

■ 60.2011, 65.2577,
40.8758

■ 68.5975, 74.5488,
42.2267

Harmonies

Analogous

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



14.1715, 15.9902, 34.0508



16.6150, 15.9902, 33.6632



18.8952, 15.9902, 28.2565

Triad

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



16.6150, 15.9902, 33.6632



18.6220, 15.9902, 9.3150



11.0712, 15.9902, 14.5715

Complementary

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



16.6150, 15.9902, 33.6632



26.2419, 28.5272, 15.9283

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.



12.0180, 15.9902, 9.7702



16.6150, 15.9902, 33.6632



16.2733, 15.9902, 7.3287

Square

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



16.6150, 15.9902, 33.6632



20.1362, 15.9902, 13.7623



13.8643, 15.9902, 7.4693



11.1417, 15.9902, 21.6526

Rectangle

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



16.6150, 15.9902, 33.6632



19.9378, 15.9902, 23.1890



13.8643, 15.9902, 7.4693



11.2764, 15.9902, 12.6820

Sweetspot

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



16.6156, 15.9908, 33.6636



47.5398, 49.1573, 64.1094



22.1879, 28.4913, 31.3413



10.2399, 10.5638, 14.0697



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.



16.6156, 15.9908, 33.6636



25.8506, 23.9148, 60.3803



17.8061, 15.1101, 33.4308



6.3742, 6.6141, 8.3474



5.2915, 2.6746, 26.1446



0.1175, 0.0936, 0.4751

Inverse Universe

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



20.9330, 17.0964, 16.6652



34.9746, 26.5376, 24.3932



24.6140, 30.0772, 16.3133



6.6782, 6.6642, 7.1566



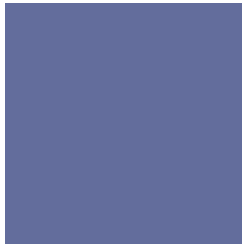
11.4691, 5.8922, 1.4554



0.2166, 0.1100, 0.0869

Previews

White Background



This preview shows how the XYZ color 16.6150, 15.9902, 33.6632 looks on a white background.

Color Contrast Check

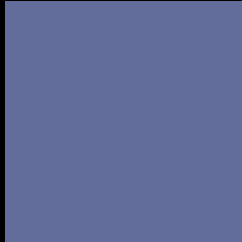
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6150, 15.9902, 33.6632 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

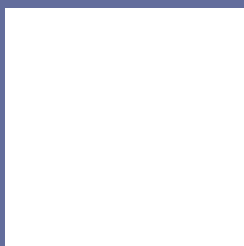
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.6150, 15.9902, 33.6632

Background



This preview shows how black text looks on a background with the XYZ color 16.6150, 15.9902, 33.6632.



This preview shows how white text looks on a background with the XYZ color 16.6150, 15.9902,

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

16.6150, 15.9902, 33.6632

Protanopia

16.5064, 16.0935, 33.6889

Deuteranopia

16.4006, 16.0390, 33.6839



Tritanopia

14.1825, 15.9920, 21.4081

Trichromacy



Original Color

16.6150, 15.9902, 33.6632

Protanomaly

16.6137, 16.1488, 33.6939

Deuteranomaly

16.5064, 16.0935, 33.6889

Tritanomaly

15.0684, 16.0207, 25.5907

Monochromacy



Original Color

16.6150, 15.9902, 33.6632

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.4701, 15.8100, 22.3149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6150, 15.9902, 33.6632 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(99, 109, 156) looks like.

```
.text, #text, p{  
    color:rgb(99, 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(99, 109, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 109, 156) }
```

Border

The CSS property to change the border of an element to XYZ 16.6150, 15.9902, 33.6632 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(99, 109, 156) }
```


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

```
.border{ border-color:rgb(99, 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(99, 109, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 109, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 109, 156);  
box-shadow:4px 4px 4px 4px rgb(99, 109,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6150, 15.9902, 33.6632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 109, 156) }
```

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

```
.background{ background-color: rgb(99, 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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