

Converting Colors

XYZ(15.6638, 13.9666, 40.3236)

Have a look what the booklet for
XYZ(15.6638, 13.9666, 40.3236)
contains.

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Color

**XYZ(15.6542, 13.9859,
40.4026)**

Conversions

Conversions Part 1

Format	Color
Hex	5564AB
RGB	85, 100, 171
RGB Percent	33%, 39%, 67%
CMY	0.6666, 0.6078, 0.3294
CMYK	0.50, 0.42, 0.00, 0.33
HSL	230°, 34%, 50%
HSV	230°, 50%, 67%
XYZ	15.6542, 13.9859, 40.4026
YIQ	103.6090, -31.7310, 18.9010

Conversions

Conversions Part 2

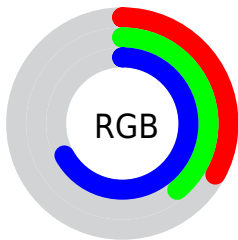
Format	Color
R_{YB}	85, 98, 171
Decimal	5596331
CIE _{Lab}	44.21, 14.54, -39.90
CIE _{LCh}	44, 42.469, 290.016
Yxy	13.9859, 0.2235, 0.1997
Android (android.graphics.Color)	4283786411 (0xFF5564AB)
YUV	103.6090, 33.2238, -16.3201
Hunter-Lab	37.3977, 9.2717, -37.8755

Details

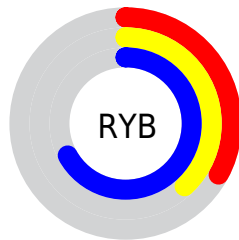
The XYZ color **15.6542, 13.9859, 40.4026** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.3237, 33.0922, 13.3844**, and the grayscale version is **12.9746, 13.6503, 14.8652**.

A 20% lighter version of the original color is **35.5792, 33.1682, 77.1999**, and **5.0412, 4.1794, 17.6805** is the 20% darker color. If you saturate the color by 10%, you get **13.0465, 10.8028, 39.9259**, and if you desaturate by 10%, it is **18.8729, 17.8327, 40.9758**.

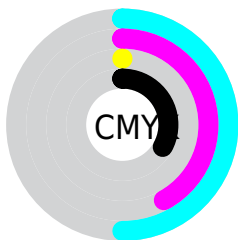
Distribution



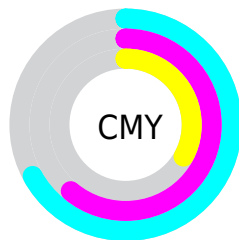
- Red (33%)
- Green (39%)
- Blue (67%)



- Red (33%)
- Yellow (38%)
- Blue (67%)



- Cyan (50%)
- Magenta (42%)
- Yellow (0%)
- Black (33%)



- Cyan (67%)
- Magenta (61%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6542, 13.9859, 40.4026 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 15.6542, 13.9859, 40.4026 by changing the saturation by 10% instead.

■ 15.6542, 13.9859,
40.4026

■ 15.6542, 13.9859,
40.4026

220.6032,
217.1431, 363.4200

■ 9.3691, 8.1109,
27.5364

■ 35.5591, 33.0640,
77.0200

■ 5.0417, 4.1660,
17.7405

■ 49.9097, 47.0359,
101.6082

■ 2.3068, 1.7668,
10.5963

■ 67.6794, 64.4754,
130.9409

■ 0.7981, 0.4664,
5.6854

■ 89.2337, 85.7672,
165.4366

■ 0.0000, 0.0000,
2.5890

114.9378,
111.2954, 205.5138

■ 0.0000, 0.0000,
0.8868

145.1572,

■ 0.0000, 0.0000,

141.4445, 251.5911

0.0000

180.2572,
176.5990, 304.0870

■ 15.6542, 13.9859,
40.4026

■ 15.6542, 13.9859,
40.4026

■ 13.0465, 10.8028,
39.9259

■ 18.8729, 17.8327,
40.9758

■ 11.0084, 8.2435,
39.5393

■ 22.7368, 22.3770,
41.6492

■ 9.4961, 6.2660,
39.2374

■ 27.2796, 27.6520,
42.4280

■ 8.4581, 4.8223,
39.0134

■ 32.5322, 33.6881,
43.3162

■ 7.8105, 3.8598,
38.8618

■ 38.5234, 40.5143,
44.3180

■ 45.2807, 48.1579,
45.4373

■ 52.8299, 56.6449,
46.6775

■ 61.1957, 66.0000,
48.0423

■ 70.4016, 76.2472,
49.5350

Harmonies

Analogous

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



12.1936, 13.9859, 42.0454



15.6542, 13.9859, 40.4026



18.9463, 13.9859, 30.6706

Triad

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



15.6542, 13.9859, 40.4026



17.9427, 13.9859, 4.9280



7.8465, 13.9859, 12.2125

Complementary

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



15.6542, 13.9859, 40.4026



30.3237, 33.0922, 13.3844

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.



8.8938, 13.9859, 6.0994



15.6542, 13.9859, 40.4026



14.4570, 13.9859, 3.2421

Square

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



15.6542, 13.9859, 40.4026



20.4156, 13.9859, 9.6853



11.1824, 13.9859, 3.5531



8.0561, 13.9859, 22.5626

Rectangle

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



15.6542, 13.9859, 40.4026



20.4173, 13.9859, 22.5499



11.1824, 13.9859, 3.5531



8.0552, 13.9859, 9.6925

Sweetspot

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



15.6548, 13.9864, 40.4029



53.4206, 54.7812, 76.7601



24.2459, 33.4320, 36.2889



11.4896, 11.7293, 17.0461



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



15.6548, 13.9864, 40.4029



23.0486, 18.9549, 71.4457



17.3118, 12.8983, 40.1056



7.6876, 7.9747, 10.0868



5.9160, 2.9659, 29.3052



0.1976, 0.1485, 0.8262

Inverse Universe

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



22.3439, 16.0758, 13.9822



36.5511, 23.7763, 17.9783



27.6641, 35.6905, 14.0261



8.0601, 8.0373, 8.6275



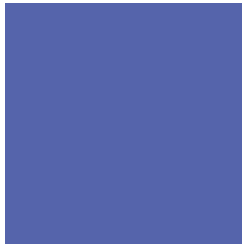
12.8498, 6.6025, 1.5884



0.3741, 0.1903, 0.1319

Previews

White Background



This preview shows how the XYZ color 15.6542, 13.9859, 40.4026 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 15.6542, 13.9859, 40.4026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

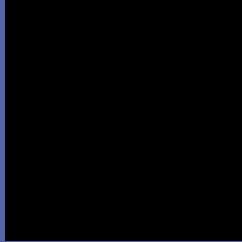
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.6542, 13.9859, 40.4026

Background



This preview shows how black text looks on a background with the XYZ color 15.6542, 13.9859, 40.4026.



This preview shows how white text looks on a background with the XYZ color 15.6542, 13.9859,

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

15.6542, 13.9859, 40.4026

Protanopia

15.1958, 14.0157, 41.4396

Deuteranopia

14.4216, 14.0954, 39.9908



Tritanopia

11.5288, 13.9902, 19.8620

Trichromacy



Original Color

15.6542, 13.9859, 40.4026

Protanomaly

15.3245, 13.9482, 40.9143

Deuteranomaly

14.7784, 13.9805, 39.9498

Tritanomaly

12.8195, 13.8753, 26.4286

Monochromacy



Original Color

15.6542, 13.9859, 40.4026

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.6763, 13.8004, 22.3650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6542, 13.9859, 40.4026 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(85, 100, 171)` looks like.

```
.text, #text, p{  
    color:rgb(85, 100, 171)  
}
```

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(85, 100, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 100, 171) }
```

Border

The CSS property to change the border of an element to XYZ 15.6542, 13.9859, 40.4026 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(85, 100, 171) }
```


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

```
.border{ border-color:rgb(85, 100, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 100, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 100, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 100, 171);  
box-shadow:4px 4px 4px 4px rgb(85, 100,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6542, 13.9859, 40.4026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 100, 171) }
```

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

```
.background{ background-color: rgb(85, 100,  
171) }
```

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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