

Converting Colors

XYZ(15.8061, 14.0151, 37.7737)

Have a look what the booklet for
XYZ(15.8061, 14.0151, 37.7737)
contains.

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Color

**XYZ(15.8590, 14.0040,
37.9436)**

Conversions

Conversions Part 1

Format	Color
Hex	5D63A6
RGB	93, 99, 166
RGB Percent	36%, 39%, 65%
CMY	0.6353, 0.6118, 0.3490
CMYK	0.44, 0.40, 0.00, 0.35
HSL	235°, 29%, 51%
HSV	235°, 44%, 65%
XYZ	15.8590, 14.0040, 37.9436
YIQ	104.8440, -25.0830, 19.5650

Conversions

Conversions Part 2

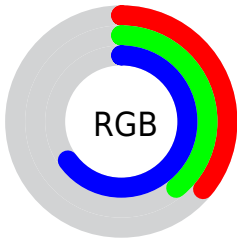
Format	Color
R_{YB}	93, 99, 166
Decimal	6120358
CIE _{Lab}	44.24, 15.61, -36.88
CIE _{LCh}	44, 40.051, 292.946
Yxy	14.0040, 0.2339, 0.2065
Android (android.graphics.Color)	4284310438 (0xFF5D63A6)
YUV	104.8440, 30.1499, -10.3872
Hunter-Lab	37.4219, 10.1580, -33.9212

Details

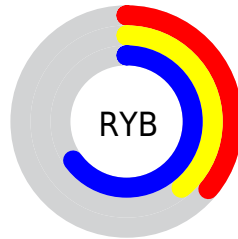
The XYZ color **15.8590, 14.0040, 37.9436** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.2732, 34.0400, 15.3316**, and the grayscale version is **13.3115, 14.0047, 15.2512**.

A 20% lighter version of the original color is **35.9901, 33.2362, 72.9250**, and **5.1854, 4.2122, 16.4593** is the 20% darker color. If you saturate the color by 10%, you get **13.0478, 10.6106, 37.4370**, and if you desaturate by 10%, it is **19.3083, 18.1311, 38.5587**.

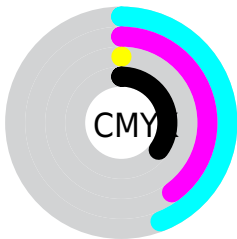
Distribution



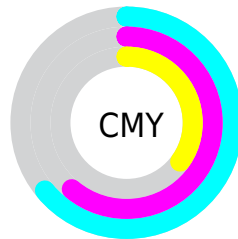
- Red (36%)
- Green (39%)
- Blue (65%)



- Red (36%)
- Yellow (39%)
- Blue (65%)



- Cyan (44%)
- Magenta (40%)
- Yellow (0%)
- Black (35%)



- Cyan (64%)
- Magenta (61%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8590, 14.0040, 37.9436 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 15.8590, 14.0040, 37.9436 by changing the saturation by 10% instead.

■ 15.8590, 14.0040,
37.9436

■ 15.8590, 14.0040,
37.9436

221.7950,
217.2557, 352.6689

■ 9.5146, 8.1234,
25.6374

■ 35.9127, 33.0961,
73.2241

■ 5.1381, 4.1740,
16.3293

■ 50.3527, 47.0765,
97.0356

■ 2.3641, 1.7714,
9.6006

■ 68.2220, 64.5256,
125.5192

■ 0.8272, 0.4692,
5.0328

■ 89.8859, 85.8278,
159.0936

■ 0.0000, 0.0000,
2.2075

115.7099,
111.3675, 198.1772

■ 0.0000, 0.0000,
0.6787

146.0591,

■ 0.0000, 0.0000,

141.5291, 243.1886

0.0000

181.2991,
176.6971, 294.5463

■ 15.8590, 14.0040,
37.9436

■ 15.8590, 14.0040,
37.9436

■ 13.0478, 10.6106,
37.4370

■ 19.3083, 18.1311,
38.5587

■ 10.8339, 7.9063,
37.0318

■ 23.4300, 23.0299,
39.2870

■ 9.1743, 5.8442,
36.7212

■ 28.2578, 28.7375,
40.1342

■ 8.0195, 4.3707,
36.4976

■ 33.8227, 35.2883,
41.1054

■ 7.3111, 3.4235,
36.3521

■ 40.1538, 42.7146,
42.2051

■ 7.0352, 3.0577,
36.2961

■ 47.2786, 51.0469,
43.4379

■ 55.2234, 60.3145,
44.8080

■ 64.0131, 70.5452,
46.3194

■ 73.6716, 81.7657,
47.9761

Harmonies

Analogous

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



12.5682, 14.0040, 40.3091



15.8590, 14.0040, 37.9436



18.8559, 14.0040, 28.5385

Triad

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



15.8590, 14.0040, 37.9436



17.3775, 14.0040, 5.0581



8.0856, 14.0040, 13.1826

Complementary

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



15.8590, 14.0040, 37.9436



30.2732, 34.0400, 15.3316

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.



8.9751, 14.0040, 6.8972



15.8590, 14.0040, 37.9436



14.0812, 14.0040, 3.5866

Square

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



15.8590, 14.0040, 37.9436



19.8262, 14.0040, 9.3529



11.0506, 14.0040, 4.0894



8.4059, 14.0040, 23.2109

Rectangle

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



15.8590, 14.0040, 37.9436



20.1100, 14.0040, 21.0285



11.0506, 14.0040, 4.0894



8.2475, 14.0040, 10.6376

Sweetspot

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



15.8595, 14.0045, 37.9439



51.9786, 52.9736, 72.9606



24.4888, 32.1352, 38.1319



11.1823, 11.3241, 16.2485



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



15.8595, 14.0045, 37.9439



23.6754, 19.2511, 67.9433



19.0261, 14.8244, 37.9353



7.1795, 7.3960, 9.4675



5.4707, 2.4016, 28.1507



0.1481, 0.0883, 0.6899

Inverse Universe

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



21.8929, 16.8373, 13.9008



36.1663, 25.3457, 18.1151



25.6984, 33.2626, 15.4226



7.5552, 7.5519, 7.9749



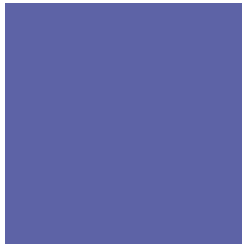
12.2620, 6.3135, 0.9251



0.3059, 0.1566, 0.0622

Previews

White Background



This preview shows how the XYZ color 15.8590, 14.0040, 37.9436 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 15.8590, 14.0040, 37.9436 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 15.8590, 14.0040, 37.9436

Background



This preview shows how black text looks on a background with the XYZ color 15.8590, 14.0040, 37.9436.

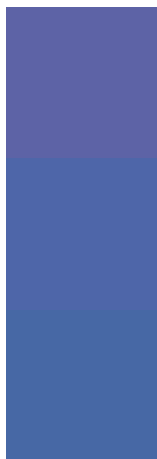


This preview shows how white text looks on a background with the XYZ color 15.8590, 14.0040,

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

15.8590, 14.0040, 37.9436

Protanopia

15.0547, 13.9870, 39.4424

Deuteranopia

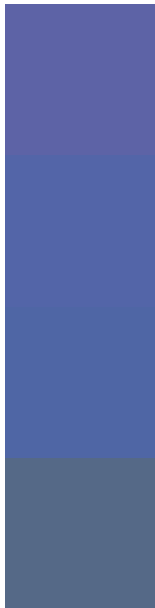
14.3404, 13.9568, 37.5354



Tritanopia

12.0469, 13.9508, 19.1974

Trichromacy



Original Color

15.8590, 14.0040, 37.9436

Protanomaly

15.2888, 13.9735, 38.9371

Deuteranomaly

14.7674, 13.8816, 37.4984

Tritanomaly

13.1711, 13.7837, 24.8880

Monochromacy



Original Color

15.8590, 14.0040, 37.9436

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.0478, 13.9995, 22.0404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8590, 14.0040, 37.9436 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(93, 99, 166)` looks like.

```
.text, #text, p{  
    color:rgb(93, 99, 166)  
}
```

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(93, 99, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 99, 166) }
```

Border

The CSS property to change the border of an element to XYZ 15.8590, 14.0040, 37.9436 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(93, 99, 166) }
```


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

```
.border{ border-color:rgb(93, 99, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 99, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 99, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 99, 166);  
box-shadow:4px 4px 4px 4px rgb(93, 99,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8590, 14.0040, 37.9436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 99, 166) }
```

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

```
.background{ background-color: rgb(93, 99,  
166) }
```

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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