

Converting Colors

XYZ(15.6868, 14.2472, 37.5209)

Have a look what the booklet for
XYZ(15.6868, 14.2472, 37.5209)
contains.

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Color

**XYZ(15.6617, 14.1976,
37.5123)**

Conversions

Conversions Part 1

Format	Color
Hex	5A65A5
RGB	90, 101, 165
RGB Percent	35%, 40%, 65%
CMY	0.6470, 0.6039, 0.3529
CMYK	0.45, 0.39, 0.00, 0.35
HSL	231°, 29%, 50%
HSV	231°, 45%, 65%
XYZ	15.6617, 14.1976, 37.5123
YIQ	105.0070, -27.1000, 17.5720

Conversions

Conversions Part 2

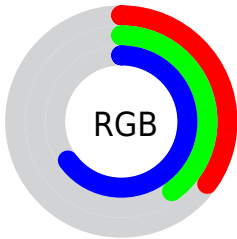
Format	Color
R _Y B	90, 100, 165
Decimal	5924261
CIE Lab	44.51, 13.28, -35.87
CIE LCh	45, 38.249, 290.312
Yxy	14.1976, 0.2325, 0.2107
Android (android.graphics.Color)	4284114341 (0xFF5A65A5)
YUV	105.0070, 29.5765, -13.1611
Hunter-Lab	37.6797, 8.2547, -32.6508

Details

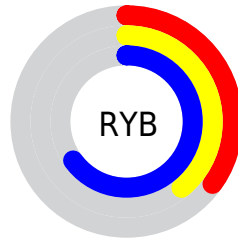
The XYZ color **15.6617, 14.1976, 37.5123** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.9190, 31.8500, 14.2972**, and the grayscale version is **13.3573, 14.0530, 15.3037**.

A 20% lighter version of the original color is **35.6481, 33.5531, 72.3077**, and **5.0744, 4.2997, 16.1853** is the 20% darker color. If you saturate the color by 10%, you get **12.9794, 10.9564, 37.0283**, and if you desaturate by 10%, it is **18.9356, 18.0919, 38.0917**.

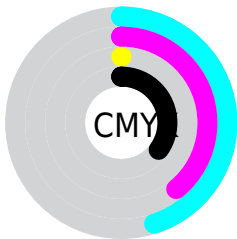
Distribution



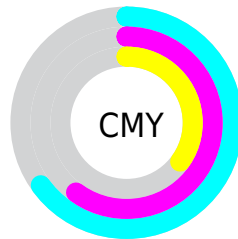
- Red (35%)
- Green (40%)
- Blue (65%)



- Red (35%)
- Yellow (39%)
- Blue (65%)



- Cyan (45%)
- Magenta (39%)
- Yellow (0%)
- Black (35%)



- Cyan (65%)
- Magenta (60%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6617, 14.1976, 37.5123 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 15.6617, 14.1976, 37.5123 by changing the saturation by 10% instead.

■ 15.6617, 14.1976,
37.5123

■ 15.6617, 14.1976,
37.5123

220.6470,
218.4567, 350.7585

■ 9.3744, 8.2582,
25.3055

■ 35.5721, 33.4392,
72.5551

■ 5.0452, 4.2606,
16.0837

■ 49.9259, 47.5103,
96.2282

■ 2.3089, 1.8204,
9.4284

■ 67.6993, 65.0607,
124.5605

■ 0.7992, 0.4998,
4.9211

■ 89.2576, 86.4748,
157.9705

■ 0.0000, 0.0000,
2.1431

114.9662,
112.1371, 196.8767

■ 0.0000, 0.0000,
0.6412

145.1903,

■ 0.0000, 0.0000,

142.4319, 241.6978

0.0000

180.2955,
177.7436, 292.8522

■ 15.6617, 14.1976,
37.5123

■ 15.6617, 14.1976,
37.5123

■ 12.9794, 10.9564,
37.0283

■ 18.9356, 18.0919,
38.0917

■ 10.8512, 8.3307,
36.6337

■ 22.8322, 22.6712,
38.7702

■ 9.2380, 6.2812,
36.3231

■ 27.3824, 27.9671,
39.5526

■ 8.0946, 4.7632,
36.0904

■ 32.6145, 34.0085,
40.4430

■ 7.3651, 3.7242,
35.9283

■ 38.5551, 40.8232,
41.4452

■ 7.1223, 3.3780,
35.8743

■ 45.2295, 48.4370,
42.5631

■ 52.6615, 56.8750,
43.8000

■ 60.8742, 66.1609,
45.1596

■ 69.8893, 76.3175,
46.6448

Harmonies

Analogous

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



12.5198, 14.1976, 39.0027



15.6617, 14.1976, 37.5123



18.5974, 14.1976, 29.0559

Triad

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



15.6617, 14.1976, 37.5123



17.6515, 14.1976, 5.7196



8.4478, 14.1976, 12.7706

Complementary

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



15.6617, 14.1976, 37.5123



28.9190, 31.8500, 14.2972

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.



9.4223, 14.1976, 6.9451



15.6617, 14.1976, 37.5123



14.5183, 14.1976, 4.0266

Square

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



15.6617, 14.1976, 37.5123



19.8622, 14.1976, 10.2764



11.5369, 14.1976, 4.3681



8.6577, 14.1976, 22.1431

Rectangle

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



15.6617, 14.1976, 37.5123



19.8908, 14.1976, 21.9230



11.5369, 14.1976, 4.3681



8.6413, 14.1976, 10.4093

Sweetspot

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



15.6622, 14.1981, 37.5126



50.0948, 51.3092, 71.0157



23.4841, 31.4092, 35.2881



10.5581, 10.7610, 15.4581



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



15.6622, 14.1981, 37.5126



23.0078, 19.3325, 66.2712



17.6842, 13.7600, 37.3215



6.7804, 7.0198, 8.9007



5.4118, 2.6031, 27.1470



0.1364, 0.1000, 0.5780

Inverse Universe

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



21.5227, 16.2520, 14.3148



35.0268, 23.9706, 18.6006



25.9070, 33.1164, 14.7004



7.1141, 7.1021, 7.5875



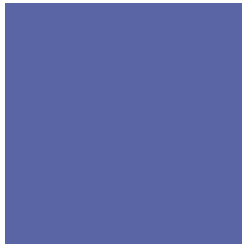
11.8771, 6.1069, 1.2776



0.2610, 0.1329, 0.0871

Previews

White Background



This preview shows how the XYZ color 15.6617, 14.1976, 37.5123 looks on a white background.

Color Contrast Check

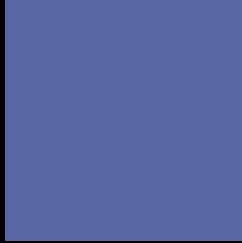
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.6617, 14.1976, 37.5123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

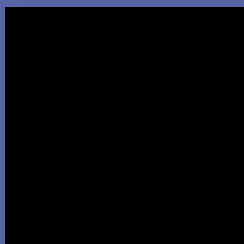
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

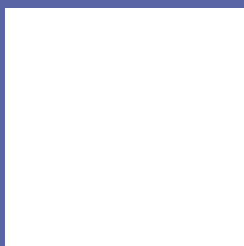
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.6617, 14.1976, 37.5123

Background



This preview shows how black text looks on a background with the XYZ color 15.6617, 14.1976, 37.5123.

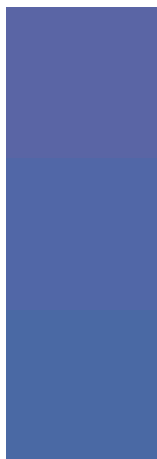


This preview shows how white text looks on a background with the XYZ color 15.6617, 14.1976,

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

15.6617, 14.1976, 37.5123

Protanopia

15.2186, 14.2398, 38.5057

Deuteranopia

14.5765, 14.2393, 37.1022



Tritanopia

12.0748, 14.2786, 19.5724

Trichromacy



Original Color

15.6617, 14.1976, 37.5123

Protanomaly

15.2905, 14.1407, 37.9999

Deuteranomaly

14.9594, 14.2864, 37.0911

Tritanomaly

13.1813, 14.0868, 25.3168

Monochromacy



Original Color

15.6617, 14.1976, 37.5123

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.0366, 14.1423, 22.0686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6617, 14.1976, 37.5123 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(90, 101, 165)` looks like.

```
.text, #text, p{  
    color:rgb(90, 101, 165)  
}
```

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(90, 101, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 101, 165) }
```

Border

The CSS property to change the border of an element to XYZ 15.6617, 14.1976, 37.5123 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(90, 101, 165) }
```


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

```
.border{ border-color:rgb(90, 101, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 101, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 101, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 101, 165);  
box-shadow:4px 4px 4px 4px rgb(90, 101,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6617, 14.1976, 37.5123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 101, 165) }
```

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

```
.background{ background-color: rgb(90, 101,  
165) }
```

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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