

Converting Colors

XYZ(15.8265, 14.4855, 34.9336)

Have a look what the booklet for
XYZ(15.8265, 14.4855, 34.9336)
contains.

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Color

**XYZ(15.8332, 14.4927,
34.7638)**

Conversions

Conversions Part 1

Format	Color
Hex	60669F
RGB	96, 102, 159
RGB Percent	38%, 40%, 62%
CMY	0.6235, 0.6000, 0.3765
CMYK	0.40, 0.36, 0.00, 0.38
HSL	234°, 25%, 50%
HSV	234°, 40%, 62%
XYZ	15.8332, 14.4927, 34.7638
YIQ	106.7040, -21.8730, 16.4550

Conversions

Conversions Part 2

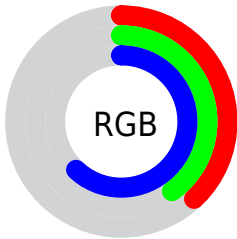
Format	Color
R _Y B	96, 101, 159
Decimal	6317727
CIE Lab	44.93, 12.48, -31.64
CIE LCh	45, 34.013, 291.524
Yxy	14.4927, 0.2433, 0.2227
Android (android.graphics.Color)	4284507807 (0xFF60669F)
YUV	106.7040, 25.7819, -9.3874
Hunter-Lab	38.0693, 7.6178, -27.4935

Details

The XYZ color **15.8332, 14.4927, 34.7638** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **27.8011, 30.9984, 15.5849**, and the grayscale version is **13.8290, 14.5492, 15.8441**.

A 20% lighter version of the original color is **35.9233, 34.0271, 68.2928**, and **5.1022, 4.3518, 14.4810** is the 20% darker color. If you saturate the color by 10%, you get **13.0332, 11.1297, 34.2625**, and if you desaturate by 10%, it is **19.2179, 18.5219, 35.3634**.

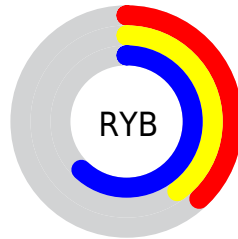
Distribution



Red (38%)

Green (40%)

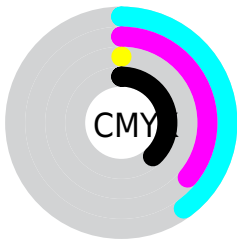
Blue (62%)



Red (38%)

Yellow (40%)

Blue (62%)

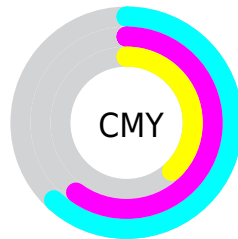


Cyan (40%)

Magenta (36%)

Yellow (0%)

Black (38%)



Cyan (62%)

Magenta (60%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8332, 14.4927, 34.7638 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 15.8332, 14.4927, 34.7638 by changing the saturation by 10% instead.

■ 15.8332, 14.4927,
34.7638

■ 15.8332, 14.4927,
34.7638

221.6452,
220.2748, 338.3971

■ 9.4963, 8.4641,
23.1989

■ 35.8682, 33.9607,
68.2671

■ 5.1260, 4.3933,
14.5338

■ 50.2970, 48.1690,
91.0426

■ 2.3569, 1.8959,
8.3499

■ 68.1538, 65.8726,
118.3920

■ 0.8235, 0.5459,
4.2287

■ 89.8039, 87.4560,
150.7339

■ 0.0000, 0.0000,
1.7516

115.6128,
113.3035, 188.4868

■ 0.0000, 0.0000,
0.3957

145.9457,

■ 0.0000, 0.0000,

143.7995, 232.0693

0.0000

181.1681,
179.3285, 281.8998

■ 15.8332, 14.4927,
34.7638

■ 15.8332, 14.4927,
34.7638

■ 13.0332, 11.1297,
34.2625

■ 19.2179, 18.5219,
35.3634

■ 10.7833, 8.3954,
33.8533

■ 23.2164, 23.2489,
36.0651

■ 9.0473, 6.2509,
33.5309

■ 27.8575, 28.7053,
36.8736

■ 7.7841, 4.6525,
33.2889

■ 33.1681, 34.9201,
37.7933

■ 6.9465, 3.5501,
33.1203

■ 39.1731, 41.9210,
38.8281

■ 6.4463, 2.8685,
33.0151

■ 45.8964, 49.7339,
39.9818

■ 6.4309, 2.8489,
33.0121

■ 53.3607, 58.3840,
41.2580

■ 61.5878, 67.8949,
42.6602

■ 70.5984, 78.2898,
44.1917

Harmonies

Analogous

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



13.0010, 14.4927, 36.3125



15.8332, 14.4927, 34.7638



18.4038, 14.4927, 27.3663

Triad

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



15.8332, 14.4927, 34.7638



17.3802, 14.4927, 6.5653



9.1306, 14.4927, 13.6271

Complementary

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



15.8332, 14.4927, 34.7638



27.8011, 30.9984, 15.5849

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.



9.9955, 14.4927, 8.0358



15.8332, 14.4927, 34.7638



14.5788, 14.4927, 4.9568

Square

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



15.8332, 14.4927, 34.7638



19.3773, 14.4927, 10.7982



11.9031, 14.4927, 5.3851



9.3720, 14.4927, 22.0980

Rectangle

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



15.8332, 14.4927, 34.7638



19.4998, 14.4927, 21.1527



11.9031, 14.4927, 5.3851



9.2969, 14.4927, 11.4042

Sweetspot

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



15.8337, 14.4932, 34.7641



47.6096, 48.7321, 65.6404



22.9475, 29.5735, 34.5064



10.5021, 10.7147, 14.7583



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



15.8337, 14.4932, 34.7641



23.6634, 20.3211, 61.4186



18.3546, 14.9489, 34.7192



6.3330, 6.5319, 8.3337



5.0945, 2.2805, 26.0789



0.1042, 0.0670, 0.4707

Inverse Universe

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



20.8797, 16.6965, 14.6931



34.1086, 25.0817, 19.8262



24.3096, 30.6931, 15.7100



6.6574, 6.6559, 7.0473



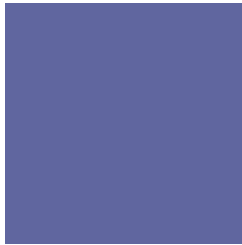
11.3697, 5.8524, 0.9317



0.2099, 0.1073, 0.0515

Previews

White Background



This preview shows how the XYZ color 15.8332, 14.4927, 34.7638 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 15.8332, 14.4927, 34.7638 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

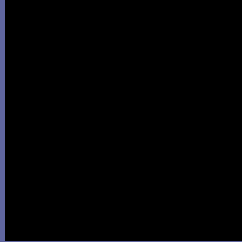
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8332, 14.4927, 34.7638

Background



This preview shows how black text looks on a background with the XYZ color 15.8332, 14.4927, 34.7638.

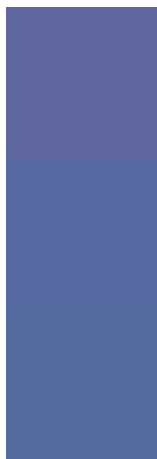


This preview shows how white text looks on a background with the XYZ color 15.8332, 14.4927,

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

15.8332, 14.4927, 34.7638

Protanopia

15.2211, 14.4523, 35.7055

Deuteranopia

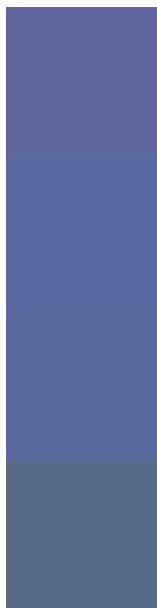
14.8929, 14.6157, 34.3839



Tritanopia

12.7435, 14.4622, 19.5726

Trichromacy



Original Color

15.8332, 14.4927, 34.7638

Protanomaly

15.4119, 14.4122, 35.2272

Deuteranomaly

15.2476, 14.6465, 34.3712

Tritanomaly

13.7772, 14.4103, 24.6096

Monochromacy



Original Color

15.8332, 14.4927, 34.7638

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.4110, 14.4931, 21.7766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8332, 14.4927, 34.7638 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(96, 102, 159) looks like.

```
.text, #text, p{  
  color:rgb(96, 102, 159)  
}
```

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(96, 102, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 102, 159) }
```

Border

The CSS property to change the border of an element to XYZ 15.8332, 14.4927, 34.7638 is called "border". The border property can be set on classes, ids or directly on the HTML element.

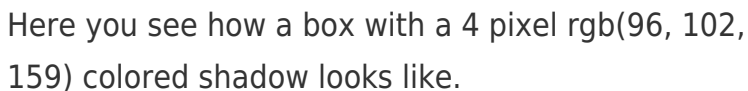
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(96, 102, 159) }
```


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

```
.border{ border-color:rgb(96, 102, 159) }
```

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



Here you see how a box with a 4 pixel rgb(96, 102, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 102, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 102, 159);  
box-shadow:4px 4px 4px 4px rgb(96, 102,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8332, 14.4927, 34.7638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 102, 159) }
```

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

```
.background{ background-color: rgb(96, 102,  
159) }
```

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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