

Converting Colors

XYZ(16.4534, 10.6559, 37.7488)

Have a look what the booklet for
XYZ(16.4534, 10.6559, 37.7488)
contains.

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Color

**XYZ(16.4534, 10.6559,
37.7488)**

Conversions

Conversions Part 1

Format	Color
Hex	7643A7
RGB	118, 67, 167
RGB Percent	46%, 26%, 65%
CMY	0.5372, 0.7372, 0.3451
CMYK	0.29, 0.60, 0.00, 0.35
HSL	271°, 43%, 46%
HSV	271°, 60%, 65%
XYZ	16.4534, 10.6559, 37.7488
YIQ	93.6490, -1.7040, 41.9120

Conversions

Conversions Part 2

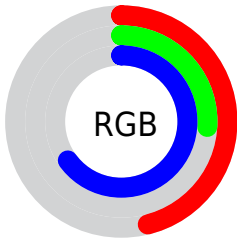
Format	Color
R_{YB}	118, 67, 167
Decimal	7750567
CIE _{Lab}	38.99, 41.61, -45.68
CIE _{LCh}	39, 61.795, 312.332
Yxy	10.6559, 0.2537, 0.1643
Android (android.graphics.Color)	4285940647 (0xFF7643A7)
YUV	93.6490, 36.1620, 21.3558
Hunter-Lab	32.6434, 32.8443, -45.7126

Details

The XYZ color **16.4534, 10.6559, 37.7488** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **22.0345, 31.7559, 10.2787**, and the grayscale version is **10.4749, 11.0204, 12.0013**.

A 20% lighter version of the original color is **36.9142, 26.9345, 73.0653**, and **5.4177, 2.7396, 16.1628** is the 20% darker color. If you saturate the color by 10%, you get **14.5366, 8.4006, 37.4147**, and if you desaturate by 10%, it is **18.7538, 13.5342, 38.1833**.

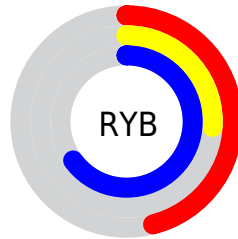
Distribution



Red (46%)

Green (26%)

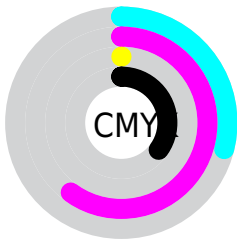
Blue (65%)



Red (46%)

Yellow (26%)

Blue (65%)

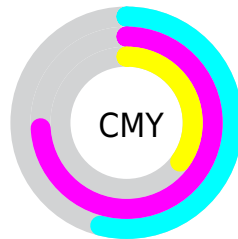


Cyan (29%)

Magenta (60%)

Yellow (0%)

Black (35%)



Cyan (54%)

Magenta (74%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4534, 10.6559, 37.7488 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 16.4534, 10.6559, 37.7488 by changing the saturation by 10% instead.

■ 16.4534, 10.6559,
37.7488

■ 16.4534, 10.6559,
37.7488

225.2207,
195.2914, 351.8070

■ 9.9384, 5.8360,
25.4875

■ 36.9347, 27.0221,
72.9221

■ 5.4201, 2.7456,
16.2183

■ 51.6317, 39.3371,
96.6711

■ 2.5331, 1.0004,
9.5227

■ 69.7868, 54.9193,
125.0865

■ 0.9120, 0.0000,
4.9822

■ 91.7653, 74.1530,
158.5867

■ 0.0000, 0.0000,
2.1783

■ 117.9326, 97.4227,
197.5903

■ 0.0000, 0.0000,
0.6618

148.6540,

■ 0.0000, 0.0000,

125.1127, 242.5159

0.0000

184.2949,

157.6075, 293.7819

■ 16.4534, 10.6559,
37.7488

■ 16.4534, 10.6559,
37.7488

■ 14.5366, 8.4006,
37.4147

■ 18.7538, 13.5342,
38.1833

■ 12.9742, 6.7150,
37.1717

■ 21.4612, 17.0803,
38.7251

■ 11.7342, 5.5388,
37.0100

■ 24.5984, 21.3361,
39.3812

■ 10.7482, 4.7384,
36.9075

■ 28.1860, 26.3395,
40.1579

■ 10.7370, 4.7294,
36.9064

■ 32.2433, 32.1258,
41.0609

■ 36.7883, 38.7280,
42.0957

■ 41.8379, 46.1772,
43.2674

■ 47.4085, 54.5026,
44.5808

■ 53.5152, 63.7324,
46.0404

Harmonies

Analogous

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



11.9158, 10.6559, 50.8674



16.4534, 10.6559, 37.7488



19.7051, 10.6559, 19.9387

Triad

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



16.4534, 10.6559, 37.7488



12.7273, 10.6559, 0.5839



4.1935, 10.6559, 17.1531

Complementary

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



16.4534, 10.6559, 37.7488



22.0345, 31.7559, 10.2787

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.



4.3004, 10.6559, 5.9897



16.4534, 10.6559, 37.7488



8.5288, 10.6559, 0.4799

Square

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



16.4534, 10.6559, 37.7488



17.1845, 10.6559, 2.0498



5.6757, 10.6559, 1.6147



5.3286, 10.6559, 34.5643

Rectangle

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



16.4534, 10.6559, 37.7488



20.2827, 10.6559, 10.7036



5.6757, 10.6559, 1.6147



4.0963, 10.6559, 12.5503

Sweetspot

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



16.4539, 10.6563, 37.7491



51.5517, 48.6881, 72.1560



15.6514, 16.7063, 38.9591



11.1043, 10.2857, 16.0522



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.



16.4539, 10.6563, 37.7491



25.0069, 13.9012, 66.8405



24.9188, 15.0201, 38.1452



7.4829, 7.4815, 9.4680



8.2728, 3.6482, 28.2436



0.2601, 0.1191, 0.6899

Inverse Universe

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



21.0961, 13.4911, 18.0153



34.7200, 19.8286, 25.7238



17.1469, 29.2362, 10.0500



7.6786, 7.6013, 8.6245



13.3798, 6.7606, 6.8113



0.3515, 0.1749, 0.3023

Previews

White Background



This preview shows how the XYZ color 16.4534, 10.6559, 37.7488 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 16.4534, 10.6559, 37.7488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

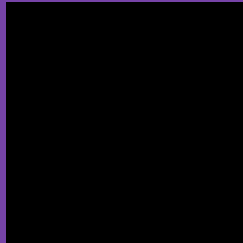
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4534, 10.6559, 37.7488

Background



This preview shows how black text looks on a background with the XYZ color 16.4534, 10.6559, 37.7488.



This preview shows how white text looks on a background with the XYZ color 16.4534, 10.6559,

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

16.4534, 10.6559, 37.7488

Protanopia

12.7577, 10.8189, 49.5600

Deuteranopia

11.0631, 10.7607, 35.6763



Tritanopia

11.2543, 10.6278, 12.0479

Trichromacy



Original Color

16.4534, 10.6559, 37.7488

Protanomaly

12.2792, 9.7346, 44.9479

Deuteranomaly

11.9855, 10.1110, 36.4419

Tritanomaly

12.7503, 10.4328, 19.4309

Monochromacy



Original Color

16.4534, 10.6559, 37.7488

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

12.2150, 10.6047, 19.4923

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4534, 10.6559, 37.7488 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(118, 67, 167)` looks like.

```
.text, #text, p{  
    color:rgb(118, 67, 167)  
}
```

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(118, 67, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 67, 167) }
```

Border

The CSS property to change the border of an element to XYZ 16.4534, 10.6559, 37.7488 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(118, 67, 167) }
```


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

```
.border{ border-color:rgb(118, 67, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 67, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 67, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 67, 167);  
box-shadow:4px 4px 4px 4px rgb(118, 67,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4534, 10.6559, 37.7488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 67, 167) }
```

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

```
.background{ background-color: rgb(118, 67,  
167) }
```

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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