

Converting Colors

XYZ(12.0154, 8.6937, 14.9547)

Have a look what the booklet for
XYZ(12.0154, 8.6937, 14.9547)
contains.

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Color

**XYZ(12.0154, 8.6937,
14.9547)**

Conversions

Conversions Part 1

Format	Color
Hex	76416B
RGB	118, 65, 107
RGB Percent	46%, 25%, 42%
CMY	0.5373, 0.7451, 0.5804
CMYK	0.00, 0.45, 0.09, 0.54
HSL	312°, 29%, 36%
HSV	312°, 45%, 46%
XYZ	12.0154, 8.6937, 14.9547
YIQ	85.6350, 18.1060, 24.2980

Conversions

Conversions Part 2

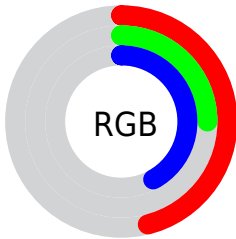
Format	Color
R _{YB}	118, 65, 107
Decimal	7749995
CIE Lab	35.39, 29.44, -14.59
CIE LCh	35, 32.858, 333.639
Yxy	8.6937, 0.3369, 0.2438
Android (android.graphics.Color)	4285940075 (0xFF76416B)
YUV	85.6350, 10.5329, 28.3841
Hunter-Lab	29.4851, 21.1412, -9.4321

Details

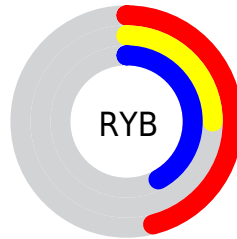
The XYZ color **12.0154, 8.6937, 14.9547** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **9.9633, 14.6029, 9.1316**, and the grayscale version is **8.7442, 9.1995, 10.0183**.

A 20% lighter version of the original color is **28.9835, 23.1612, 35.2907**, and **3.4158, 1.9878, 4.4786** is the 20% darker color. If you saturate the color by 10%, you get **11.2805, 7.4271, 14.0830**, and if you desaturate by 10%, it is **12.8961, 10.2457, 15.8932**.

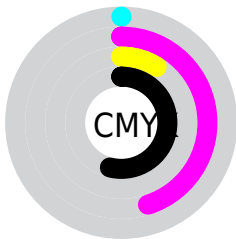
Distribution



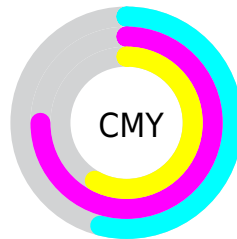
- Red (46%)
- Green (25%)
- Blue (42%)



- Red (46%)
- Yellow (25%)
- Blue (42%)



- Cyan (0%)
- Magenta (45%)
- Yellow (9%)
- Black (54%)



- Cyan (54%)
- Magenta (75%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0154, 8.6937, 14.9547 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 12.0154, 8.6937, 14.9547 by changing the saturation by 10% instead.

12.0154, 8.6937,
14.9547

12.0154, 8.6937,
14.9547

198.2750,
181.0762, 234.7232

6.8264, 4.5419,
8.6413

29.1398, 23.3076,
35.5149

3.3992, 1.9811,
4.4144

41.8059, 34.5385,
50.5987

1.3682, 0.5965,
1.8553

57.6951, 48.8979,
69.4432

0.2334, 0.0000,
0.4641

77.1728, 66.7702,
92.4668

0.0000, 0.0000,
0.0000

100.6042, 88.5397,
120.0880

128.3549,

114.5910, 152.7255

160.7900,
145.3084, 190.7977

■ 12.0154, 8.6937,
14.9547

■ 12.0154, 8.6937,
14.9547

■ 11.2805, 7.4271,
14.0830

■ 12.8961, 10.2457,
15.8932

■ 10.6816, 6.4268,
13.2744

■ 13.9298, 12.0981,
16.9008

■ 10.2091, 5.6736,
12.5257

■ 15.1244, 14.2664,
17.9803

■ 9.8516, 5.1447,
11.8328

■ 16.4870, 16.7645,
19.1342

■ 9.5909, 4.8037,
11.1897

■ 18.0240, 19.6056,
20.3649

■ 9.4697, 4.6510,
10.8729

■ 19.7419, 22.8023,
21.6746

■ 21.6465, 26.3662,
23.0653

■ 23.7434, 30.3087,
24.5392

■ 26.0382, 34.6406,
26.0982

Harmonies

Analogous

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



10.4722, 8.6937, 21.2199



12.0154, 8.6937, 14.9547



12.5032, 8.6937, 8.8132

Triad

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



12.0154, 8.6937, 14.9547



8.0319, 8.6937, 2.3657



5.5641, 8.6937, 16.5806

Complementary

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



12.0154, 8.6937, 14.9547



9.9633, 14.6029, 9.1316

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.



5.1097, 8.6937, 10.1502



12.0154, 8.6937, 14.9547



6.3888, 8.6937, 3.1265

Square

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



12.0154, 8.6937, 14.9547



10.0059, 8.6937, 2.8179



5.3867, 8.6937, 5.5174



6.7354, 8.6937, 22.3854

Rectangle

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



12.0154, 8.6937, 14.9547



12.1104, 8.6937, 5.8400



5.3867, 8.6937, 5.5174



5.3314, 8.6937, 14.3479

Sweetspot

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



12.0157, 8.6941, 14.9549



26.9540, 25.7433, 31.9284



8.1095, 6.6092, 17.9881



6.1031, 5.7471, 7.2590



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



12.0157, 8.6941, 14.9549



19.7842, 12.9737, 24.6985



10.8434, 8.2252, 8.7815



3.7956, 3.7455, 4.4506



10.2402, 5.0298, 11.7390



49.5850, 24.3841, 55.5372

Inverse Universe

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



12.0157, 8.6941, 14.9549



19.7842, 12.9737, 24.6985



11.0620, 15.0423, 14.9172



3.7956, 3.7455, 4.4506



10.2402, 5.0298, 11.7390



49.5850, 24.3841, 55.5372

Previews

White Background



This preview shows how the XYZ color 12.0154, 8.6937, 14.9547 looks on a white background.

Color Contrast Check

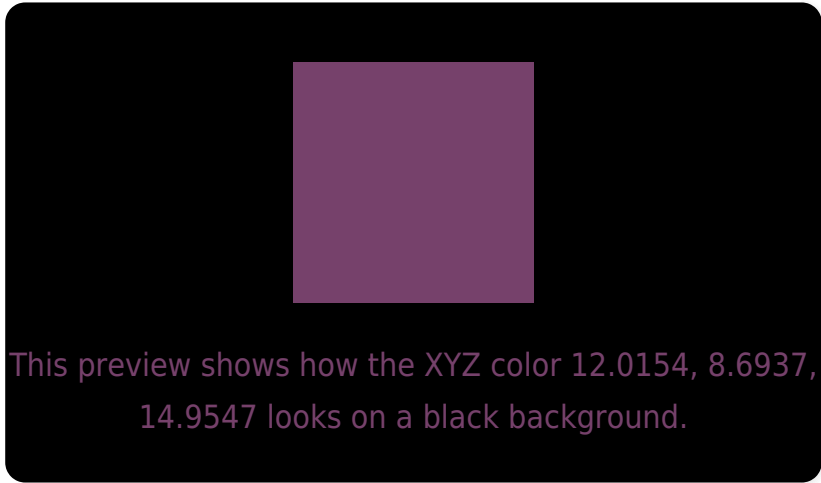
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 12.0154, 8.6937, 14.9547

Background



This preview shows how black text looks on a background with the XYZ color 12.0154, 8.6937, 14.9547.



This preview shows how white text looks on a background with the XYZ color 12.0154, 8.6937,

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

12.0154, 8.6937, 14.9547

Protanopia

9.0799, 8.7684, 18.9832

Deuteranopia

8.9093, 8.7834, 14.3225



Tritanopia

10.6630, 8.6871, 8.1360

Trichromacy



Original Color

12.0154, 8.6937, 14.9547

Protanomaly

9.7988, 8.5305, 17.3498

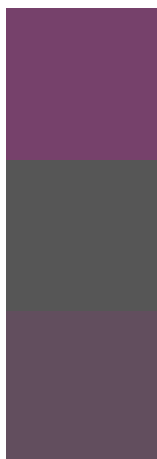
Deuteranomaly

9.7503, 8.5685, 14.5046

Tritanomaly

11.0920, 8.6738, 10.3221

Monochromacy



Original Color

12.0154, 8.6937, 14.9547

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.7818, 8.8536, 11.7830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0154, 8.6937, 14.9547 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, 65, 107)` looks like.

```
.text, #text, p{  
    color:rgb(118, 65, 107)  
}
```

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, 65, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 65, 107) }
```

Border

The CSS property to change the border of an element to XYZ 12.0154, 8.6937, 14.9547 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, 65, 107) }
```


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

```
.border{ border-color:rgb(118, 65, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 65, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 65, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 65, 107);  
box-shadow:4px 4px 4px 4px rgb(118, 65,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0154, 8.6937, 14.9547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 65, 107) }
```

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

```
.background{ background-color: rgb(118, 65,  
107) }
```

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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