

Converting Colors

XYZ(16.0233, 13.7760, 24.7916)

Have a look what the booklet for
XYZ(16.0233, 13.7760, 24.7916)
contains.

XYZ(16.0731, 13.8556, 24.7489)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.0731, 13.8556,
24.7489)**

Conversions

Conversions Part 1

Format	Color
Hex	775F87
RGB	119, 95, 135
RGB Percent	47%, 37%, 53%
CMY	0.5333, 0.6274, 0.4706
CMYK	0.12, 0.30, 0.00, 0.47
HSL	276°, 17%, 45%
HSV	276°, 30%, 53%
XYZ	16.0731, 13.8556, 24.7489
YIQ	106.7360, 1.4640, 17.5280

Conversions

Conversions Part 2

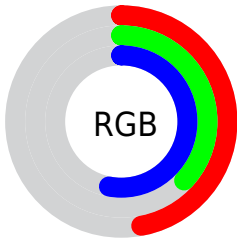
Format	Color
R_{YB}	119, 95, 135
Decimal	7823239
CIE _{Lab}	44.03, 17.77, -18.57
CIE _{LCh}	44, 25.698, 313.743
Yxy	13.8556, 0.2940, 0.2534
Android (android.graphics.Color)	4286013319 (0xFF775F87)
YUV	106.7360, 13.9342, 10.7555
Hunter-Lab	37.2231, 11.9366, -13.3646

Details

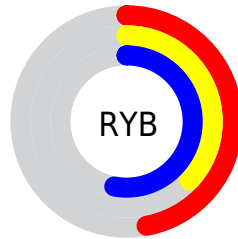
The XYZ color **16.0731, 13.8556, 24.7489** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.2855, 21.5340, 14.0725**, and the grayscale version is **13.8649, 14.5869, 15.8852**.

A 20% lighter version of the original color is **36.3692, 32.9593, 52.0219**, and **5.2224, 4.0719, 9.1050** is the 20% darker color. If you saturate the color by 10%, you get **14.2408, 11.2598, 24.3447**, and if you desaturate by 10%, it is **18.1592, 16.8958, 25.2260**.

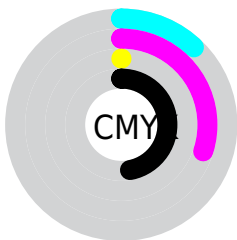
Distribution



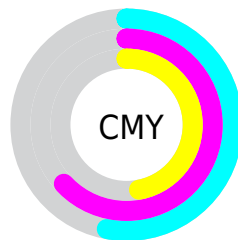
- Red (47%)
- Green (37%)
- Blue (53%)



- Red (47%)
- Yellow (37%)
- Blue (53%)



- Cyan (12%)
- Magenta (30%)
- Yellow (0%)
- Black (47%)



- Cyan (53%)
- Magenta (63%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0731, 13.8556, 24.7489 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 16.0731, 13.8556, 24.7489 by changing the saturation by 10% instead.

■ 16.0731, 13.8556,
24.7489

■ 16.0731, 13.8556,
24.7489

223.0346,
216.3307, 289.9927

■ 9.6671, 8.0203,
15.6728

■ 36.2815, 32.8326,
52.2086

■ 5.2393, 4.1079,
9.1411

■ 50.8146, 46.7431,
71.4293

■ 2.4246, 1.7341,
4.7352

■ 68.7873, 64.1141,
94.8686

■ 0.8574, 0.4456,
2.0368

■ 90.5652, 85.3300,
122.9450

■ 0.0000, 0.0000,
0.5777

116.5135,
110.7752, 156.0770

■ 0.0000, 0.0000,
0.0000

146.9976,

140.8341, 194.6833

182.3829,
175.8911, 239.1823

■ 16.0731, 13.8556,
24.7489

■ 16.0731, 13.8556,
24.7489

■ 14.2408, 11.2598,
24.3447

■ 18.1592, 16.8958,
25.2260

■ 12.6493, 9.0846,
24.0087

■ 20.5085, 20.3991,
25.7784

■ 11.2866, 7.3064,
23.7373

■ 23.1316, 24.3855,
26.4096

■ 10.1388, 5.8988,
23.5261

■ 26.0380, 28.8729,
27.1225

■ 9.1904, 4.8317,
23.3701

■ 29.2367, 33.8786,
27.9202

■ 8.4236, 4.0705,
23.2636

■ 32.7363, 39.4189,
28.8051

■ 7.7892, 3.5184,
23.1904

■ 36.5452, 45.5094,
29.7799

■ 7.7665, 3.4986,
23.1878

■ 40.6712, 52.1651,
30.8471

■ 45.1220, 59.4004,
32.0091

Harmonies

Analogous

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



14.1237, 13.8556, 28.8475



16.0731, 13.8556, 24.7489



17.3071, 13.8556, 18.4562

Triad

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



16.0731, 13.8556, 24.7489



14.2987, 13.8556, 6.6651



9.7136, 13.8556, 17.9168

Complementary

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



16.0731, 13.8556, 24.7489



17.2855, 21.5340, 14.0725

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.



9.7500, 13.8556, 12.1540



16.0731, 13.8556, 24.7489



12.2589, 13.8556, 6.5913

Square

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



16.0731, 13.8556, 24.7489



16.2125, 13.8556, 8.5738



10.6382, 13.8556, 8.3368



10.5330, 13.8556, 24.2671

Rectangle

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



16.0731, 13.8556, 24.7489



17.4859, 13.8556, 14.3646



10.6382, 13.8556, 8.3368



9.6289, 13.8556, 15.8320

Sweetspot

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



16.0735, 13.8562, 24.7492



36.9168, 36.8172, 46.2091



14.8504, 15.6976, 25.1691



8.4167, 8.3265, 10.6699



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.0735, 13.8562, 24.7492



26.3838, 21.3979, 43.7880



18.2263, 14.9927, 23.6439



4.6824, 4.6724, 5.8558



7.1769, 3.2340, 21.3826



0.0331, 0.0155, 0.0745

Inverse Universe

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



16.9536, 14.4836, 16.9416



28.3382, 22.7806, 26.9275



15.6041, 20.6493, 14.8019



4.7440, 4.7173, 5.2644



9.8339, 4.9979, 3.6977



0.0375, 0.0187, 0.0309

Previews

White Background



This preview shows how the XYZ color 16.0731, 13.8556, 24.7489 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 16.0731, 13.8556, 24.7489 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 16.0731, 13.8556, 24.7489

Background



This preview shows how black text looks on a background with the XYZ color 16.0731, 13.8556, 24.7489.



This preview shows how white text looks on a background with the XYZ color 16.0731, 13.8556,

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

16.0731, 13.8556, 24.7489

Protanopia

14.1722, 13.9507, 27.1451

Deuteranopia

14.2000, 13.8766, 24.4843



Tritanopia

14.3342, 13.8419, 16.1036

Trichromacy



Original Color

16.0731, 13.8556, 24.7489

Protanomaly

14.6969, 13.8032, 26.3158

Deuteranomaly

14.7088, 13.7091, 24.4251

Tritanomaly

14.8402, 13.7564, 19.0126

Monochromacy



Original Color

16.0731, 13.8556, 24.7489

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.6167, 14.3644, 18.8318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0731, 13.8556, 24.7489 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(119, 95, 135)` looks like.

```
.text, #text, p{  
    color:rgb(119, 95, 135)  
}
```

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(119, 95, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 95, 135) }
```

Border

The CSS property to change the border of an element to XYZ 16.0731, 13.8556, 24.7489 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(119, 95, 135) }
```


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

```
.border{ border-color:rgb(119, 95, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 95, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 95, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 95, 135);  
box-shadow:4px 4px 4px 4px rgb(119, 95,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0731, 13.8556, 24.7489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 95, 135) }
```

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

```
.background{ background-color: rgb(119, 95,  
135) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor