

Converting Colors

XYZ(15.6736, 13.5958, 24.7753)

Have a look what the booklet for
XYZ(15.6736, 13.5958, 24.7753)
contains.

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Color

**XYZ(15.6678, 13.6467,
24.7300)**

Conversions

Conversions Part 1

Format	Color
Hex	745F87
RGB	116, 95, 135
RGB Percent	45%, 37%, 53%
CMY	0.5451, 0.6274, 0.4706
CMYK	0.14, 0.30, 0.00, 0.47
HSL	271°, 17%, 45%
HSV	271°, 30%, 53%
XYZ	15.6678, 13.6467, 24.7300
YIQ	105.8390, -0.3240, 16.8920

Conversions

Conversions Part 2

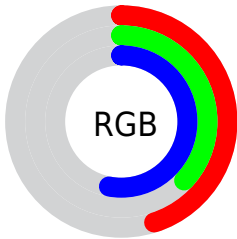
Format	Color
R_{YB}	116, 95, 135
Decimal	7626631
CIE _{Lab}	43.72, 16.73, -19.06
CIE _{LCh}	44, 25.359, 311.282
Yxy	13.6467, 0.2899, 0.2525
Android (android.graphics.Color)	4285816711 (0xFF745F87)
YUV	105.8390, 14.3764, 8.9112
Hunter-Lab	36.9414, 11.0588, -13.8320

Details

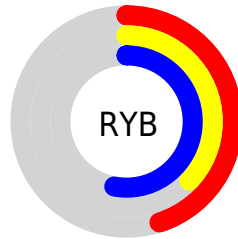
The XYZ color **15.6678, 13.6467, 24.7300** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **17.6695, 21.7320, 14.0906**, and the grayscale version is **13.6179, 14.3271, 15.6022**.

A 20% lighter version of the original color is **35.5044, 32.5134, 51.9814**, and **5.0527, 4.0458, 9.1089** is the 20% darker color. If you saturate the color by 10%, you get **13.7324, 10.9978, 24.3209**, and if you desaturate by 10%, it is **17.8737, 16.7486, 25.2127**.

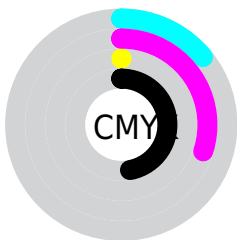
Distribution



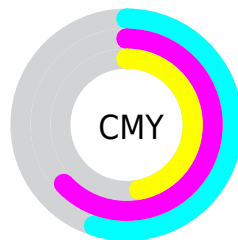
- Red (45%)
- Green (37%)
- Blue (53%)



- Red (45%)
- Yellow (37%)
- Blue (53%)



- Cyan (14%)
- Magenta (30%)
- Yellow (0%)
- Black (47%)



- Cyan (55%)
- Magenta (63%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6678, 13.6467, 24.7300 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 15.6678, 13.6467, 24.7300 by changing the saturation by 10% instead.

■ 15.6678, 13.6467,
24.7300

■ 15.6678, 13.6467,
24.7300

220.6826,
215.0217, 289.8951

■ 9.3787, 7.8754,
15.6588

■ 35.5826, 32.4608,
52.1775

■ 5.0481, 4.0153,
9.1313

■ 49.9391, 46.2724,
71.3910

■ 2.3106, 1.6821,
4.7290

■ 67.7155, 63.5328,
94.8223

■ 0.8001, 0.4120,
2.0332

■ 89.2771, 84.6265,
122.8899

■ 0.0000, 0.0000,
0.5756

114.9892,
109.9378, 156.0125

■ 0.0000, 0.0000,
0.0000

145.2172,

139.8512, 194.6085

180.3266,
174.7511, 239.0966

■ 15.6678, 13.6467,
24.7300

■ 15.6678, 13.6467,
24.7300

■ 13.7324, 10.9978,
24.3209

■ 17.8737, 16.7486,
25.2127

■ 12.0541, 8.7778,
23.9809

■ 20.3600, 20.3226,
25.7715

■ 10.6204, 6.9630,
23.7062

■ 23.1378, 24.3887,
26.4099

■ 9.4168, 5.5266,
23.4923

■ 26.2169, 28.9652,
27.1310

■ 8.4273, 4.4383,
23.3344

■ 29.6069, 34.0695,
27.9376

7.6333, 3.6631,
23.2266

33.3167, 39.7182,
28.8323

6.9853, 3.1040,
23.1529

37.3552, 45.9271,
29.8179

6.9624, 3.0841,
23.1502

41.7305, 52.7113,
30.8968

46.4507, 60.0855,
32.0714

Harmonies

Analogous

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



13.7352, 13.6467, 28.4348



15.6678, 13.6467, 24.7300



16.9506, 13.6467, 18.6679

Triad

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



15.6678, 13.6467, 24.7300



14.2403, 13.6467, 6.6980



9.5630, 13.6467, 17.1118

Complementary

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



15.6678, 13.6467, 24.7300



17.6695, 21.7320, 14.0906

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.



9.6684, 13.6467, 11.6069



15.6678, 13.6467, 24.7300



12.2352, 13.6467, 6.4836

Square

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



15.6678, 13.6467, 24.7300



16.0700, 13.6467, 8.7290



10.6025, 13.6467, 8.0416



10.2981, 13.6467, 23.3427

Rectangle

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



15.6678, 13.6467, 24.7300



17.1930, 13.6467, 14.6147



10.6025, 13.6467, 8.0416



9.5034, 13.6467, 15.1058

Sweetspot

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



15.6682, 13.6473, 24.7303



36.6619, 36.6858, 46.1971



15.1480, 16.2927, 25.2683



8.3498, 8.2920, 10.6668



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.



15.6682, 13.6473, 24.7303



25.5224, 20.9539, 43.7477



18.4107, 15.0664, 24.6144



4.6504, 4.6559, 5.8543



6.4356, 2.8518, 21.3480



0.0307, 0.0142, 0.0744

Inverse Universe

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



17.1217, 14.5508, 17.8266



28.6897, 22.9212, 28.7785



15.4798, 20.5996, 14.1470



4.7578, 4.7228, 5.3370



10.0770, 5.0951, 4.9777



0.0386, 0.0191, 0.0364

Previews

White Background



This preview shows how the XYZ color 15.6678, 13.6467, 24.7300 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 15.6678, 13.6467, 24.7300 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 15.6678, 13.6467, 24.7300

Background



This preview shows how black text looks on a background with the XYZ color 15.6678, 13.6467, 24.7300.



This preview shows how white text looks on a background with the XYZ color 15.6678, 13.6467,

24.7300.

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

15.6678, 13.6467, 24.7300

Protanopia

13.8986, 13.6715, 26.7173

Deuteranopia

13.9842, 13.7654, 24.4742



Tritanopia

13.9460, 13.6418, 16.0855

Trichromacy



Original Color

15.6678, 13.6467, 24.7300

Protanomaly

14.4161, 13.5254, 25.8956

Deuteranomaly

14.4738, 13.5880, 24.4141

Tritanomaly

14.4477, 13.5541, 18.9943

Monochromacy



Original Color

15.6678, 13.6467, 24.7300

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.3927, 14.1021, 18.7930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6678, 13.6467, 24.7300 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(116, 95, 135)` looks like.

```
.text, #text, p{  
    color:rgb(116, 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(116, 95, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 95, 135) }
```

Border

The CSS property to change the border of an element to XYZ 15.6678, 13.6467, 24.7300 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(116, 95, 135) }
```


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

```
.border{ border-color:rgb(116, 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(116, 95, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 95, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 95, 135);  
box-shadow:4px 4px 4px 4px rgb(116, 95,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6678, 13.6467, 24.7300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 95, 135) }
```

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

```
.background{ background-color: rgb(116, 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](#).

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