

Converting Colors

XYZ(16.4127, 15.0892, 24.2992)

Have a look what the booklet for
XYZ(16.4127, 15.0892, 24.2992)
contains.

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Color

**XYZ(16.3211, 14.9781,
24.2211)**

Conversions

Conversions Part 1

Format	Color
Hex	756685
RGB	117, 102, 133
RGB Percent	46%, 40%, 52%
CMY	0.5412, 0.6000, 0.4784
CMYK	0.12, 0.23, 0.00, 0.48
HSL	269°, 13%, 46%
HSV	269°, 23%, 52%
XYZ	16.3211, 14.9781, 24.2211
YIQ	110.0190, -1.0110, 12.8210

Conversions

Conversions Part 2

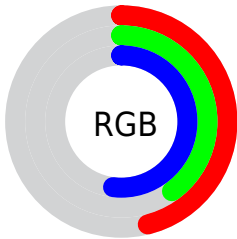
Format	Color
R_{YB}	117, 102, 133
Decimal	7693957
CIE Lab	45.60, 12.38, -14.97
CIE LCh	46, 19.423, 309.585
Yxy	14.9781, 0.2940, 0.2698
Android (android.graphics.Color)	4285884037 (0xFF756685)
YUV	110.0190, 11.3296, 6.1223
Hunter-Lab	38.7016, 7.5488, -10.0152

Details

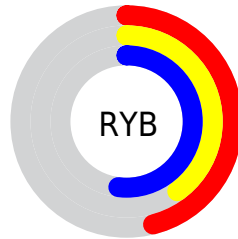
The XYZ color **16.3211, 14.9781, 24.2211** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **18.2575, 21.5863, 15.7754**, and the grayscale version is **14.7956, 15.5661, 16.9515**.

A 20% lighter version of the original color is **36.6163, 34.7627, 51.2343**, and **5.3114, 4.5859, 8.7888** is the 20% darker color. If you saturate the color by 10%, you get **14.2287, 12.1126, 23.7785**, and if you desaturate by 10%, it is **18.6918, 18.2992, 24.7374**.

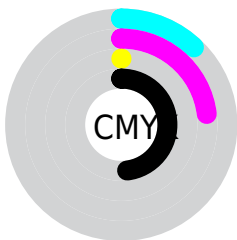
Distribution



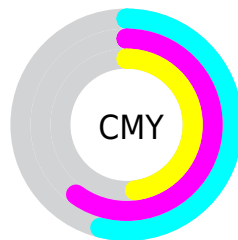
- Red (46%)
- Green (40%)
- Blue (52%)



- Red (46%)
- Yellow (40%)
- Blue (52%)



- Cyan (12%)
- Magenta (23%)
- Yellow (0%)
- Black (48%)



- Cyan (54%)
- Magenta (60%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3211, 14.9781, 24.2211 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 16.3211, 14.9781, 24.2211 by changing the saturation by 10% instead.

■ 16.3211, 14.9781,
24.2211

■ 16.3211, 14.9781,
24.2211

224.4624,
223.2336, 287.2589

■ 9.8439, 8.8040,
15.2840

■ 36.7077, 34.8148,
51.3391

■ 5.3571, 4.6136,
8.8701

■ 51.3479, 49.2461,
70.3571

■ 2.4952, 2.0224,
4.5609

■ 69.4398, 67.1987,
93.5725

■ 0.8928, 0.6204,
1.9378

■ 91.3487, 89.0569,
121.4037

■ 0.0000, 0.0000,
0.5166

117.4401,
115.2051, 154.2695

■ 0.0000, 0.0000,
0.0000

148.0793,

146.0277, 192.5882

183.6316,
181.9091, 236.7785

■ 16.3211, 14.9781,
24.2211

■ 16.3211, 14.9781,
24.2211

■ 14.2287, 12.1126,
23.7785

■ 18.6918, 18.2992,
24.7374

■ 12.4019, 9.6801,
23.4053

■ 21.3501, 22.0934,
25.3297

■ 10.8286, 7.6588,
23.0981

■ 24.3067, 26.3794,
26.0011

■ 9.4958, 6.0244,
22.8528

■ 27.5710, 31.1746,
26.7546

■ 8.3884, 4.7497,
22.6651

■ 31.1523, 36.4953,
27.5929

7.4901, 3.8039,
22.5299

35.0592, 42.3571,
28.5184

6.7808, 3.1500,
22.4411

39.3003, 48.7751,
29.5337

6.3710, 2.7953,
22.3942

43.8836, 55.7636,
30.6410

48.8168, 63.3365,
31.8427

Harmonies

Analogous

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



14.7628, 14.9781, 26.8168



16.3211, 14.9781, 24.2211



17.3693, 14.9781, 19.6327

Triad

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



16.3211, 14.9781, 24.2211



15.3540, 14.9781, 9.2787



11.3727, 14.9781, 17.8441

Complementary

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



16.3211, 14.9781, 24.2211



18.2575, 21.5863, 15.7754

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.



11.5046, 14.9781, 13.3826



16.3211, 14.9781, 24.2211



13.7224, 14.9781, 8.9818

Square

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



16.3211, 14.9781, 24.2211



16.7821, 14.9781, 11.2461



12.3369, 14.9781, 10.3396



11.9618, 14.9781, 22.6998

Rectangle

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



16.3211, 14.9781, 24.2211



17.5942, 14.9781, 16.3735



12.3369, 14.9781, 10.3396



11.3353, 14.9781, 16.2438

Sweetspot

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



16.3216, 14.9787, 24.2214



36.3372, 36.8442, 44.9349



16.1941, 17.4796, 24.7109



8.1374, 8.2305, 10.1125



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



16.3216, 14.9787, 24.2214



27.1703, 23.9891, 42.9367



18.5769, 16.1414, 24.3270



4.6330, 4.6469, 5.8535



6.0777, 2.6673, 21.3312



0.0294, 0.0136, 0.0743

Inverse Universe

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



17.6947, 15.7979, 19.2569



30.1342, 25.7577, 32.1989



16.3245, 20.5898, 15.6849



4.7654, 4.7259, 5.3771



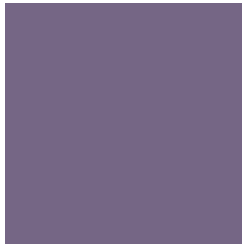
10.2305, 5.1565, 5.7860



0.0391, 0.0193, 0.0395

Previews

White Background



This preview shows how the XYZ color 16.3211, 14.9781, 24.2211 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 16.3211, 14.9781, 24.2211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

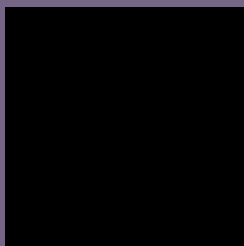
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3211, 14.9781, 24.2211

Background



This preview shows how black text looks on a background with the XYZ color 16.3211, 14.9781, 24.2211.



This preview shows how white text looks on a background with the XYZ color 16.3211, 14.9781,

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

16.3211, 14.9781, 24.2211

Protanopia

15.0685, 15.0597, 25.4052

Deuteranopia

15.2628, 15.0382, 23.9280



Tritanopia

15.1307, 15.1004, 18.0368

Trichromacy



Original Color

16.3211, 14.9781, 24.2211

Protanomaly

15.4882, 14.9782, 24.9964

Deuteranomaly

15.6468, 15.0841, 23.9166

Tritanomaly

15.5730, 15.1285, 20.1885

Monochromacy



Original Color

16.3211, 14.9781, 24.2211

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.3378, 15.3341, 19.2909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3211, 14.9781, 24.2211 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(117, 102, 133)` looks like.

```
.text, #text, p{  
    color:rgb(117, 102, 133)  
}
```

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(117, 102, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 102, 133) }
```

Border

The CSS property to change the border of an element to XYZ 16.3211, 14.9781, 24.2211 is called "border". The border property can be set on classes, ids or directly on the HTML element.

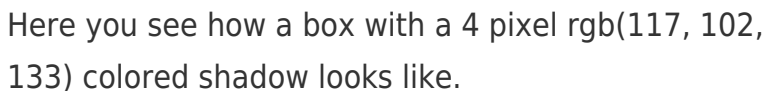
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 102, 133) }
```


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

```
.border{ border-color:rgb(117, 102, 133) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 102, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 102, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 102, 133);  
box-shadow:4px 4px 4px 4px rgb(117, 102,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3211, 14.9781, 24.2211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 102, 133) }
```

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

```
.background{ background-color: rgb(117,  
102, 133) }
```

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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