

Converting Colors

XYZ(16.2236, 15.0666, 24.6073)

Have a look what the booklet for
XYZ(16.2236, 15.0666, 24.6073)
contains.

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Color

**XYZ(16.2236, 15.0666,
24.6073)**

Conversions

Conversions Part 1

Format	Color
Hex	736786
RGB	115, 103, 134
RGB Percent	45%, 40%, 53%
CMY	0.5490, 0.5961, 0.4745
CMYK	0.14, 0.23, 0.00, 0.47
HSL	263°, 13%, 46%
HSV	263°, 23%, 53%
XYZ	16.2236, 15.0666, 24.6073
YIQ	110.1220, -2.7990, 12.1850

Conversions

Conversions Part 2

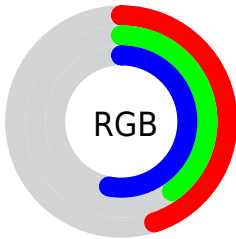
Format	Color
R _Y B	115, 103, 134
Decimal	7563142
CIE Lab	45.73, 11.30, -15.40
CIE LCh	46, 19.102, 306.269
Yxy	15.0666, 0.2902, 0.2695
Android (android.graphics.Color)	4285753222 (0xFF736786)
YUV	110.1220, 11.7719, 4.2780
Hunter-Lab	38.8157, 6.6792, -10.4160

Details

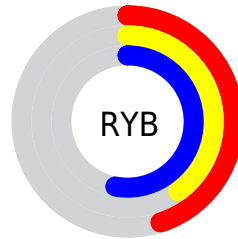
The XYZ color **16.2236, 15.0666, 24.6073** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **18.9998, 22.1674, 16.1100**, and the grayscale version is **14.8243, 15.5963, 16.9844**.

A 20% lighter version of the original color is **36.4616, 34.9145, 51.8312**, and **5.3291, 4.6617, 9.0064** is the 20% darker color. If you saturate the color by 10%, you get **13.9639, 12.0794, 24.1501**, and if you desaturate by 10%, it is **18.7942, 18.5319, 25.1409**.

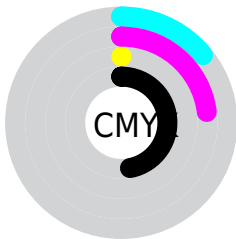
Distribution



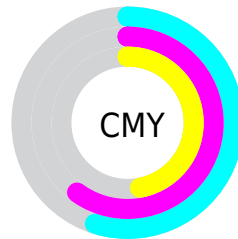
- Red (45%)
- Green (40%)
- Blue (53%)



- Red (45%)
- Yellow (40%)
- Blue (53%)



- Cyan (14%)
- Magenta (23%)
- Yellow (0%)
- Black (47%)



- Cyan (55%)
- Magenta (60%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2236, 15.0666, 24.6073 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 16.2236, 15.0666, 24.6073 by changing the saturation by 10% instead.

■ 16.2236, 15.0666,
24.6073

■ 16.2236, 15.0666,
24.6073

223.9021,
223.7690, 289.2614

■ 9.7744, 8.8661,
15.5684

■ 36.5403, 34.9700,
51.9756

■ 5.3107, 4.6540,
9.0682

■ 51.1384, 49.4417,
71.1421

■ 2.4673, 2.0457,
4.6883

■ 69.1836, 67.4392,
94.5215

■ 0.8788, 0.6338,
2.0100

■ 91.0411, 89.3471,
122.5324

■ 0.0000, 0.0000,
0.5614

117.0764,
115.5496, 155.5933

■ 0.0000, 0.0000,
0.0000

147.6547,

146.4311, 194.1227

183.1415,
182.3761, 238.5392

■ 16.2236, 15.0666,
24.6073

■ 16.2236, 15.0666,
24.6073

■ 13.9639, 12.0794,
24.1501

■ 18.7942, 18.5319,
25.1409

■ 12.0009, 9.5469,
23.7647

■ 21.6860, 22.4936,
25.7532

■ 10.3215, 7.4463,
23.4477

■ 24.9108, 26.9714,
26.4475

■ 8.9110, 5.7522,
23.1951

■ 28.4793, 31.9833,
27.2268

■ 7.7532, 4.4365,
23.0022

■ 32.4017, 37.5464,
28.0939

6.8298, 3.4670,
22.8637

36.6876, 43.6771,
29.0513

6.1196, 2.8059,
22.7735

41.3464, 50.3909,
30.1017

5.7126, 2.4479,
22.7259

46.3871, 57.7031,
31.2474

51.8185, 65.6280,
32.4908

Harmonies

Analogous

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



14.6598, 15.0666, 26.8454



16.2236, 15.0666, 24.6073



17.3336, 15.0666, 20.2229

Triad

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



16.2236, 15.0666, 24.6073



15.5979, 15.0666, 9.5743



11.4680, 15.0666, 17.3886

Complementary

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



16.2236, 15.0666, 24.6073



18.9998, 22.1674, 16.1100

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.



11.6783, 15.0666, 13.1006



16.2236, 15.0666, 24.6073



13.9862, 15.0666, 9.0977

Square

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



16.2236, 15.0666, 24.6073



16.9539, 15.0666, 11.7145



12.5721, 15.0666, 10.2639



11.9747, 15.0666, 22.2051

Rectangle

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



16.2236, 15.0666, 24.6073



17.6240, 15.0666, 16.9865



12.5721, 15.0666, 10.2639



11.4577, 15.0666, 15.8368

Sweetspot

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



16.2241, 15.0672, 24.6076



36.0899, 36.7168, 44.9233



16.8710, 18.5531, 25.2464



8.0783, 8.2001, 10.1097



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.



16.2241, 15.0672, 24.6076



26.3351, 23.5585, 42.8976



18.4186, 16.1985, 24.7103



4.5923, 4.6259, 5.8516



5.3649, 2.2999, 21.2978



0.0263, 0.0120, 0.0741

Inverse Universe

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



18.1951, 16.1746, 20.5759



30.5199, 25.9120, 34.2301



16.9912, 21.1319, 16.0160



4.7835, 4.7331, 5.4723



10.6508, 5.3247, 7.9996



0.0405, 0.0199, 0.0466

Previews

White Background



This preview shows how the XYZ color 16.2236, 15.0666, 24.6073 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 16.2236, 15.0666, 24.6073 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 16.2236, 15.0666, 24.6073

Background



This preview shows how black text looks on a background with the XYZ color 16.2236, 15.0666, 24.6073.



This preview shows how white text looks on a background with the XYZ color 16.2236, 15.0666,

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

16.2236, 15.0666, 24.6073

Protanopia

15.1399, 15.0882, 25.7813

Deuteranopia

15.3315, 15.0657, 24.2902



Tritanopia

14.9306, 14.9906, 18.3262

Trichromacy



Original Color

16.2236, 15.0666, 24.6073

Protanomaly

15.5418, 15.1498, 25.3976

Deuteranomaly

15.5919, 15.0478, 24.2730

Tritanomaly

15.3745, 15.0190, 20.5010

Monochromacy



Original Color

16.2236, 15.0666, 24.6073

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.2696, 15.2920, 19.5996

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2236, 15.0666, 24.6073 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(115, 103, 134)` looks like.

```
.text, #text, p{  
    color:rgb(115, 103, 134)  
}
```

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(115, 103, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 103, 134) }
```

Border

The CSS property to change the border of an element to XYZ 16.2236, 15.0666, 24.6073 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(115, 103, 134) }
```


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

```
.border{ border-color:rgb(115, 103, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 103, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 103, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 103, 134);  
box-shadow:4px 4px 4px 4px rgb(115, 103,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2236, 15.0666, 24.6073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 103, 134) }
```

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

```
.background{ background-color: rgb(115,  
103, 134) }
```

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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