

Converting Colors

XYZ(16.6359, 15.5222, 20.4020)

Have a look what the booklet for
XYZ(16.6359, 15.5222, 20.4020)
contains.

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Color

**XYZ(16.6315, 15.5167,
20.5308)**

Conversions

Conversions Part 1

Format	Color
Hex	7B687A
RGB	123, 104, 122
RGB Percent	48%, 41%, 48%
CMY	0.5176, 0.5921, 0.5216
CMYK	0.00, 0.15, 0.01, 0.52
HSL	303°, 8%, 45%
HSV	303°, 15%, 48%
XYZ	16.6315, 15.5167, 20.5308
YIQ	111.7330, 5.5460, 9.6260

Conversions

Conversions Part 2

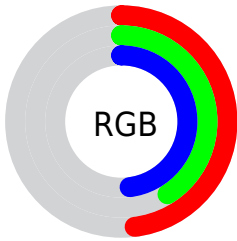
Format	Color
R_{YB}	123, 104, 122
Decimal	8087674
CIE Lab	46.33, 10.98, -7.21
CIE LCh	46, 13.139, 326.699
Yxy	15.5167, 0.3157, 0.2946
Android (android.graphics.Color)	4286277754 (0xFF7B687A)
YUV	111.7330, 5.0616, 9.8812
Hunter-Lab	39.3912, 6.4304, -3.3282

Details

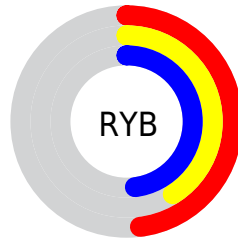
The XYZ color **16.6315, 15.5167, 20.5308** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.3422, 18.1293, 16.0560**, and the grayscale version is **15.3078, 16.1050, 17.5383**.

A 20% lighter version of the original color is **37.2658, 35.7288, 44.9766**, and **5.4898, 4.8631, 6.9527** is the 20% darker color. If you saturate the color by 10%, you get **15.4428, 13.2031, 19.9375**, and if you desaturate by 10%, it is **18.0020, 18.1930, 21.1864**.

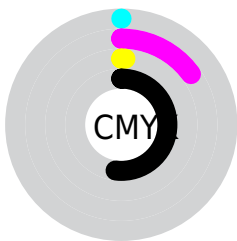
Distribution



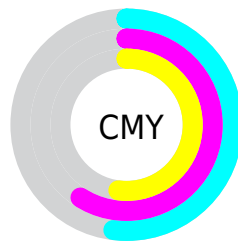
- Red (48%)
- Green (41%)
- Blue (48%)



- Red (48%)
- Yellow (41%)
- Blue (48%)



- Cyan (0%)
- Magenta (15%)
- Yellow (1%)
- Black (52%)



- Cyan (52%)
- Magenta (59%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6315, 15.5167, 20.5308 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 16.6315, 15.5167, 20.5308 by changing the saturation by 10% instead.

■ 16.6315, 15.5167,
20.5308

■ 16.6315, 15.5167,
20.5308

226.2377,
226.4727, 267.4730

■ 10.0658, 9.1828,
12.5936

■ 37.2398, 35.7571,
45.1759

■ 5.5052, 4.8606,
7.0219

■ 52.0130, 50.4324,
62.7209

■ 2.5844, 2.1657,
3.3971

■ 70.2528, 68.6570,
84.3056

■ 0.9380, 0.7012,
1.3008

■ 92.3245, 90.8152,
110.3485

■ 0.0000, 0.0000,
0.0625

118.5935,
117.2915, 141.2681

■ 0.0000, 0.0000,
0.0000

149.4251,

148.4703, 177.4831

185.1847,
184.7359, 219.4118

■ 16.6315, 15.5167,
20.5308

■ 16.6315, 15.5167,
20.5308

■ 15.4428, 13.2031,
19.9375

■ 18.0020, 18.1930,
21.1864

■ 14.4268, 11.2345,
19.4029

■ 19.5602, 21.2446,
21.9057

■ 13.5755, 9.5950,
18.9245

■ 21.3135, 24.6860,
22.6913

■ 12.8798, 8.2665,
18.4993

■ 23.2685, 28.5302,
23.5455

■ 12.3300, 7.2291,
18.1240

■ 25.4314, 32.7899,
24.4703

■ 11.9148, 6.4606,
17.7950

■ 27.8082, 37.4769,
25.4678

■ 11.6217, 5.9359,
17.5079

■ 30.4046, 42.6028,
26.5398

■ 11.4297, 5.6128,
17.2558

■ 33.2262, 48.1786,
27.6882

■ 11.3516, 5.4843,
17.1445

■ 36.2783, 54.2149,
28.9148

Harmonies

Analogous

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



15.7418, 15.5167, 23.0578



16.6315, 15.5167, 20.5308



17.0155, 15.5167, 17.2544

Triad

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



16.6315, 15.5167, 20.5308



14.8731, 15.5167, 11.4330



12.8984, 15.5167, 19.8350

Complementary

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



16.6315, 15.5167, 20.5308



15.3422, 18.1293, 16.0560

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.



12.6918, 15.5167, 16.5407



16.6315, 15.5167, 20.5308



13.7972, 15.5167, 11.9417

Square

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



16.6315, 15.5167, 20.5308



15.9683, 15.5167, 12.2271



13.0126, 15.5167, 13.7161



13.5918, 15.5167, 22.6215

Rectangle

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



16.6315, 15.5167, 20.5308



16.9192, 15.5167, 15.1763



13.0126, 15.5167, 13.7161



12.7713, 15.5167, 18.7389

Sweetspot

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



16.6320, 15.5174, 20.5311



32.3213, 32.7442, 37.9788



14.3460, 14.3317, 20.7492



7.5763, 7.6416, 8.9277



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



16.6320, 15.5174, 20.5311



28.8888, 26.0444, 36.3252



16.0745, 15.2944, 17.5957



4.1458, 4.0740, 4.9655



11.7424, 5.6731, 17.7324



55.9123, 27.0213, 84.0571

Inverse Universe

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



16.6320, 15.5174, 20.5311



28.8888, 26.0444, 36.3252



15.8553, 18.3345, 18.7579



4.1458, 4.0740, 4.9655



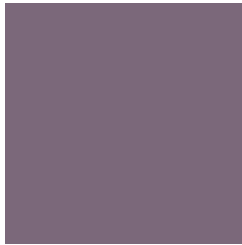
11.7424, 5.6731, 17.7324



55.9123, 27.0213, 84.0571

Previews

White Background



This preview shows how the XYZ color 16.6315, 15.5167, 20.5308 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 16.6315, 15.5167, 20.5308 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 16.6315, 15.5167, 20.5308

Background



This preview shows how black text looks on a background with the XYZ color 16.6315, 15.5167, 20.5308.



This preview shows how white text looks on a background with the XYZ color 16.6315, 15.5167,

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

16.6315, 15.5167, 20.5308

Protanopia

15.2337, 15.5437, 21.5994

Deuteranopia

15.7791, 15.5407, 20.2572



Tritanopia

16.1149, 15.4556, 18.0535

Trichromacy



Original Color

16.6315, 15.5167, 20.5308

Protanomaly

15.7058, 15.4813, 21.2292

Deuteranomaly

16.0764, 15.5401, 20.2414

Tritanomaly

16.2885, 15.5251, 18.9678

Monochromacy



Original Color

16.6315, 15.5167, 20.5308

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.8235, 15.9112, 18.7602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6315, 15.5167, 20.5308 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(123, 104, 122)` looks like.

```
.text, #text, p{  
    color:rgb(123, 104, 122)  
}
```

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(123, 104, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 104, 122) }
```

Border

The CSS property to change the border of an element to XYZ 16.6315, 15.5167, 20.5308 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(123, 104, 122) }
```


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

```
.border{ border-color:rgb(123, 104, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 104, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 104, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 104, 122);  
box-shadow:4px 4px 4px 4px rgb(123, 104,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6315, 15.5167, 20.5308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 104, 122) }
```

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

```
.background{ background-color: rgb(123,  
104, 122) }
```

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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