

Converting Colors

XYZ(24.9865, 15.7760, 14.4449)

Have a look what the booklet for
XYZ(24.9865, 15.7760, 14.4449)
contains.

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Color

**XYZ(25.0698, 15.8003,
14.5604)**

Conversions

Conversions Part 1

Format	Color
Hex	BB4567
RGB	187, 69, 103
RGB Percent	73%, 27%, 40%
CMY	0.2667, 0.7294, 0.5961
CMYK	0.00, 0.63, 0.45, 0.27
HSL	343°, 46%, 50%
HSV	343°, 63%, 73%
XYZ	25.0698, 15.8003, 14.5604
YIQ	108.1580, 59.4140, 35.5900

Conversions

Conversions Part 2

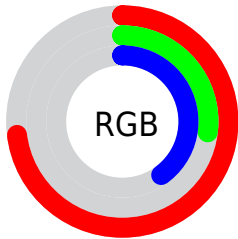
Format	Color
R_{YB}	187, 69, 103
Decimal	12272999
CIE _{Lab}	46.71, 50.35, 5.85
CIE _{LCh}	47, 50.688, 6.626
Yxy	15.8003, 0.4523, 0.2850
Android (android.graphics.Color)	4290463079 (0xFFBB4567)
YUV	108.1580, -2.5429, 69.1444
Hunter-Lab	39.7496, 43.0170, 6.1066

Details

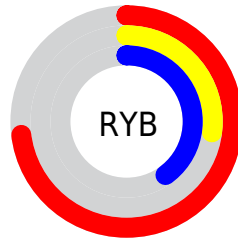
The XYZ color **25.0698, 15.8003, 14.5604** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **25.9753, 39.1061, 36.3189**, and the grayscale version is **14.2941, 15.0385, 16.3769**.

A 20% lighter version of the original color is **51.2735, 36.2732, 34.8709**, and **9.7779, 4.9744, 4.1862** is the 20% darker color. If you saturate the color by 10%, you get **23.4794, 13.6052, 10.9919**, and if you desaturate by 10%, it is **27.1298, 18.7645, 18.8106**.

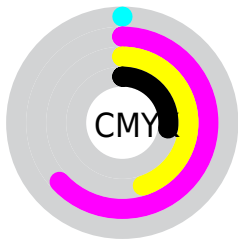
Distribution



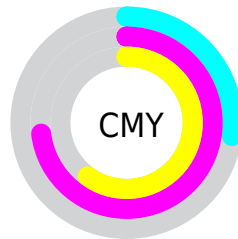
- Red (73%)
- Green (27%)
- Blue (40%)



- Red (73%)
- Yellow (27%)
- Blue (40%)



- Cyan (0%)
- Magenta (63%)
- Yellow (45%)
- Black (27%)





- Cyan (27%)
- Magenta (73%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.0698, 15.8003, 14.5604 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 25.0698, 15.8003, 14.5604 by changing the saturation by 10% instead.


 25.0698, 15.8003,
14.5604


 25.0698, 15.8003,
14.5604


270.5266,
228.1604, 232.2382

 16.2581, 9.3830,
8.3683


 51.2125, 36.2512,
34.8114


 9.7990, 4.9918,
4.2404


 69.2742, 51.0535,
49.7074


 5.3271, 2.2425,
1.7581

 91.1499, 69.4196,
68.3418

 2.4772, 0.7430,
0.4001

 117.2051, 91.7338,
91.1331

 0.8838, 0.0000,
0.0000

 147.8049,
118.3806, 118.4998

 0.0000, 0.0000,
0.0000

183.3149,

149.7444, 150.8606

224.1004,
186.2095, 188.6338

■ 25.0698, 15.8003,
14.5604

■ 25.0698, 15.8003,
14.5604

■ 23.4794, 13.6052,
10.9919

■ 27.1298, 18.7645,
18.8106

■ 22.3170, 12.1038,
8.0661

■ 29.6937, 22.5586,
23.7768

■ 21.5352, 11.2098,
5.7405

■ 32.7939, 27.2404,
29.4915

■ 21.1564, 10.8299,
4.4499

■ 36.4595, 32.8616,
35.9852

■ 40.7177, 39.4702,
43.2864

■ 45.5937, 47.1104,
51.4222

■ 51.1114, 55.8243,
60.4183

■ 57.2933, 65.6512,
70.2995

■ 64.1607, 76.6286,
81.0894

Harmonies

Analogous

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



24.1842, 15.8003, 28.6991



25.0698, 15.8003, 14.5604



22.8695, 15.8003, 6.4299

Triad

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



25.0698, 15.8003, 14.5604



10.5204, 15.8003, 4.1753



11.9091, 15.8003, 50.3419

Complementary

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



25.0698, 15.8003, 14.5604



25.9753, 39.1061, 36.3189

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.



9.2067, 15.8003, 36.0518



25.0698, 15.8003, 14.5604



8.5210, 15.8003, 9.2793

Square

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



25.0698, 15.8003, 14.5604



14.0639, 15.8003, 2.6246



8.0919, 15.8003, 20.1493



16.0137, 15.8003, 54.1666

Rectangle

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



25.0698, 15.8003, 14.5604



20.1611, 15.8003, 3.8764



8.0919, 15.8003, 20.1493



10.8332, 15.8003, 46.3518

Sweetspot

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



25.0702, 15.8012, 14.5607



68.0625, 63.1292, 69.2334



23.9727, 14.4820, 48.5454



14.5237, 13.1829, 14.4429



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



25.0702, 15.8012, 14.5607



41.1032, 23.1135, 17.3864



25.4477, 18.7542, 7.9100



9.6402, 9.5804, 10.4942



14.6045, 7.4730, 3.2110



0.6014, 0.3045, 0.2802

Inverse Universe

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



25.0702, 15.8012, 14.5607



41.1032, 23.1135, 17.3864



24.5929, 31.1904, 51.7377



9.6402, 9.5804, 10.4942



14.6045, 7.4730, 3.2110



0.6014, 0.3045, 0.2802

Previews

White Background



This preview shows how the XYZ color 25.0698, 15.8003, 14.5604 looks on a white background.

Color Contrast Check

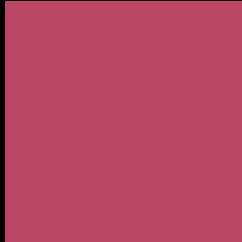
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0698, 15.8003, 14.5604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

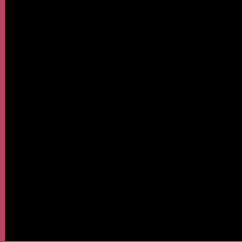
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 25.0698, 15.8003, 14.5604

Background



This preview shows how black text looks on a background with the XYZ color 25.0698, 15.8003, 14.5604.



This preview shows how white text looks on a background with the XYZ color 25.0698, 15.8003,

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

25.0698, 15.8003, 14.5604

Protanopia

15.8219, 16.1524, 22.3625

Deuteranopia

16.1678, 15.8905, 13.5243



Tritanopia

23.8676, 15.7764, 9.1843

Trichromacy



Original Color

25.0698, 15.8003, 14.5604

Protanomaly

17.7694, 14.9921, 19.0968

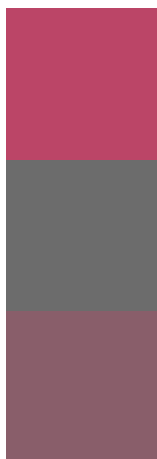
Deuteranomaly

18.5609, 15.1191, 13.7444

Tritanomaly

24.3285, 15.7784, 10.9958

Monochromacy



Original Color

25.0698, 15.8003, 14.5604

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

16.9208, 14.3644, 15.5165

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.0698, 15.8003, 14.5604 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(187, 69, 103)` looks like.

```
.text, #text, p{  
    color:rgb(187, 69, 103)  
}
```

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(187, 69, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 69, 103) }
```

Border

The CSS property to change the border of an element to XYZ 25.0698, 15.8003, 14.5604 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(187, 69, 103) }
```


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

```
.border{ border-color:rgb(187, 69, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 69, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 69, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 69, 103);  
box-shadow:4px 4px 4px 4px rgb(187, 69,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 25.0698, 15.8003, 14.5604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 69, 103) }
```

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

```
.background{ background-color: rgb(187, 69,  
103) }
```

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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