

Converting Colors

XYZ(24.1648, 15.0482, 12.0049)

Have a look what the booklet for
XYZ(24.1648, 15.0482, 12.0049)
contains.

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Color

**XYZ(24.1158, 15.0100,
11.9821)**

Conversions

Conversions Part 1

Format	Color
Hex	BA415D
RGB	186, 65, 93
RGB Percent	73%, 25%, 36%
CMY	0.2706, 0.7451, 0.6353
CMYK	0.00, 0.65, 0.50, 0.27
HSL	346°, 48%, 49%
HSV	346°, 65%, 73%
XYZ	24.1158, 15.0100, 11.9821
YIQ	104.3710, 63.1280, 34.3600

Conversions

Conversions Part 2

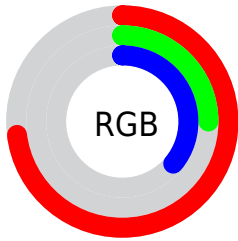
Format	Color
R_{YB}	186, 65, 93
Decimal	12206429
CIE Lab	45.65, 50.81, 10.45
CIE LCh	46, 51.876, 11.619
Yxy	15.0100, 0.4719, 0.2937
Android (android.graphics.Color)	4290396509 (0xFFBA415D)
YUV	104.3710, -5.6059, 71.5886
Hunter-Lab	38.7427, 43.3093, 8.7831

Details

The XYZ color **24.1158, 15.0100, 11.9821** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **25.9114, 38.7107, 38.4569**, and the grayscale version is **13.2610, 13.9516, 15.1933**.

A 20% lighter version of the original color is **49.5608, 34.7697, 30.0857**, and **9.4152, 4.7944, 3.1185** is the 20% darker color. If you saturate the color by 10%, you get **22.6432, 12.9853, 8.6537**, and if you desaturate by 10%, it is **26.0591, 17.7867, 16.0517**.

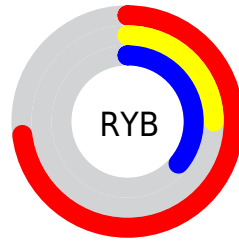
Distribution



Red (73%)

Green (25%)

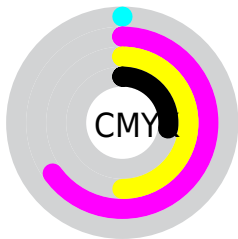
Blue (36%)



Red (73%)

Yellow (25%)

Blue (36%)

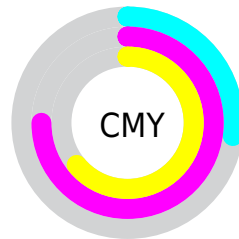


Cyan (0%)

Magenta (65%)

Yellow (50%)

Black (27%)



Cyan (27%)


Magenta (75%)


Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1158, 15.0100, 11.9821 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 24.1158, 15.0100, 11.9821 by changing the saturation by 10% instead.


 24.1158, 15.0100,
11.9821


 24.1158, 15.0100,
11.9821


265.8350,
223.4267, 215.2605


 15.5447, 8.8264,
6.6091


 49.6724, 34.8707,
30.1264


 9.2914, 4.6281,
3.1441


 67.3887, 49.3166,
43.7348


 4.9904, 2.0308,
1.1687

 88.8840, 67.2854,
60.9254

 2.2763, 0.6253,
0.0000

 114.5239, 89.1615,
82.1167

 0.7825, 0.0000,
0.0000

 144.6735,
115.3293, 107.7274

 0.0000, 0.0000,
0.0000

179.6984,

146.1732, 138.1759

219.9638,
182.0775, 173.8807

■ 24.1158, 15.0100,
11.9821

■ 24.1158, 15.0100,
11.9821

■ 22.6432, 12.9853,
8.6537

■ 26.0591, 17.7867,
16.0517

■ 21.5974, 11.6353,
6.0190

■ 28.5092, 21.3777,
20.9044

■ 20.9277, 10.8702,
4.0253

■ 31.4998, 25.8415,
26.5794

■ 20.6863, 10.6138,
3.2471

■ 35.0614, 31.2305,
33.1133

■ 39.2224, 37.5931,
40.5403

■ 44.0088, 44.9742,
48.8928

■ 49.4454, 53.4159,
58.2013

■ 55.5557, 62.9579,
68.4952

■ 62.3616, 73.6380,
79.8024

Harmonies

Analogous

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



23.7556, 15.0100, 25.1103



24.1158, 15.0100, 11.9821



21.4691, 15.0100, 5.0451

Triad

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



24.1158, 15.0100, 11.9821



9.4055, 15.0100, 4.1873



11.7906, 15.0100, 51.1941

Complementary

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



24.1158, 15.0100, 11.9821



25.9114, 38.7107, 38.4569

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.



8.8874, 15.0100, 37.9456



24.1158, 15.0100, 11.9821



7.7156, 15.0100, 9.8991

Square

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



24.1158, 15.0100, 11.9821



12.6490, 15.0100, 2.3238



7.5475, 15.0100, 21.6520



16.0164, 15.0100, 52.7742

Rectangle

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



24.1158, 15.0100, 11.9821



18.6183, 15.0100, 3.0362



7.5475, 15.0100, 21.6520



10.6520, 15.0100, 47.7314

Sweetspot

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



24.1162, 15.0108, 11.9824



66.9717, 61.8244, 66.1672



24.8086, 14.5722, 47.9595



14.2908, 12.9164, 13.7510



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.



24.1162, 15.0108, 11.9824



40.1487, 22.3580, 13.5117



25.5039, 19.4205, 7.4065



9.0875, 9.0454, 9.8081



13.9416, 7.1504, 2.3135



0.5158, 0.2618, 0.2097

Inverse Universe

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



24.1162, 15.0108, 11.9824



40.1487, 22.3580, 13.5117



22.5553, 27.6931, 50.6108



9.0875, 9.0454, 9.8081



13.9416, 7.1504, 2.3135



0.5158, 0.2618, 0.2097

Previews

White Background



This preview shows how the XYZ color 24.1158, 15.0100, 11.9821 looks on a white background.

Color Contrast Check

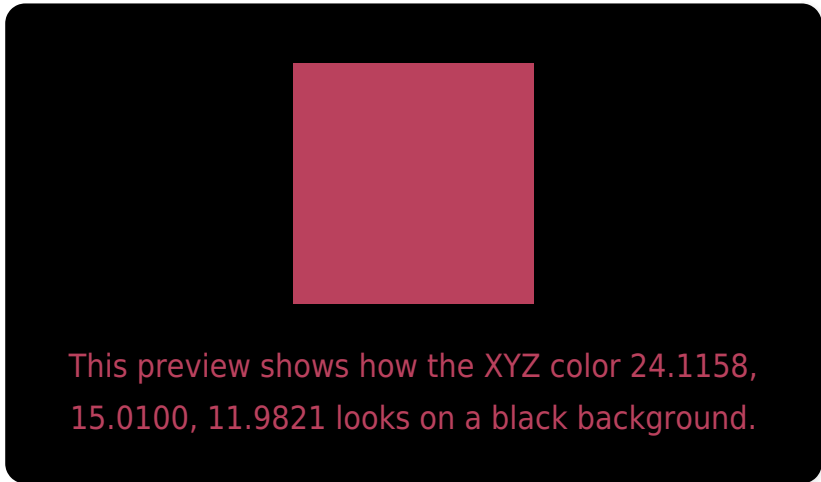
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

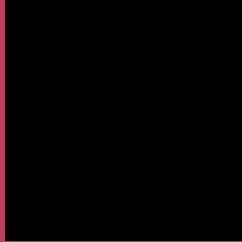
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.1158, 15.0100, 11.9821

Background



This preview shows how black text looks on a background with the XYZ color 24.1158, 15.0100, 11.9821.



This preview shows how white text looks on a background with the XYZ color 24.1158, 15.0100,

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

24.1158, 15.0100, 11.9821

Protanopia

14.8216, 15.2373, 18.6829

Deuteranopia

15.4230, 15.1008, 11.1187



Tritanopia

23.3383, 15.0516, 7.9785

Trichromacy



Original Color

24.1158, 15.0100, 11.9821

Protanomaly

16.8504, 14.0554, 16.0122

Deuteranomaly

17.6721, 14.3295, 11.2856

Tritanomaly

23.5227, 15.0277, 9.2503

Monochromacy



Original Color

24.1158, 15.0100, 11.9821

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

15.7879, 13.3008, 13.7918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1158, 15.0100, 11.9821 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(186, 65, 93)` looks like.

```
.text, #text, p{  
    color:rgb(186, 65, 93)  
}
```

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(186, 65, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 65, 93) }
```

Border

The CSS property to change the border of an element to XYZ 24.1158, 15.0100, 11.9821 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(186, 65, 93) }
```


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

```
.border{ border-color:rgb(186, 65, 93) }
```

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

Here you see how a box with a 4 pixel rgb(186, 65, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 65, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 65, 93);  
box-shadow:4px 4px 4px 4px rgb(186, 65,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1158, 15.0100, 11.9821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 65, 93) }
```

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

```
.background{ background-color: rgb(186, 65,  
93) }
```

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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