

Converting Colors

XYZ(24.2891, 15.1267, 11.5615)

Have a look what the booklet for
XYZ(24.2891, 15.1267, 11.5615)
contains.

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Color

**XYZ(24.2721, 15.1007,
11.5330)**

Conversions

Conversions Part 1

Format	Color
Hex	BB415B
RGB	187, 65, 91
RGB Percent	73%, 25%, 36%
CMY	0.2667, 0.7451, 0.6431
CMYK	0.00, 0.65, 0.51, 0.27
HSL	347°, 48%, 49%
HSV	347°, 65%, 73%
XYZ	24.2721, 15.1007, 11.5330
YIQ	104.4420, 64.3660, 33.9500

Conversions

Conversions Part 2

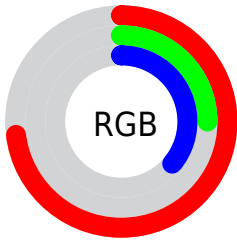
Format	Color
R_{YB}	187, 65, 91
Decimal	12271963
CIE Lab	45.77, 50.96, 11.87
CIE LCh	46, 52.327, 13.116
Yxy	15.1007, 0.4768, 0.2966
Android (android.graphics.Color)	4290462043 (0xFFBB415B)
YUV	104.4420, -6.6269, 72.4034
Hunter-Lab	38.8596, 43.4885, 9.6053

Details

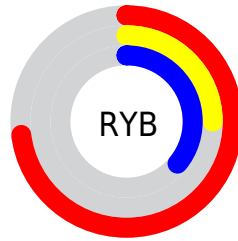
The XYZ color **24.2721, 15.1007, 11.5330** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **26.3843, 39.2380, 39.9043**, and the grayscale version is **13.2825, 13.9742, 15.2179**.

A 20% lighter version of the original color is **49.7623, 34.8909, 29.3112**, and **9.3952, 4.7865, 3.0135** is the 20% darker color. If you saturate the color by 10%, you get **22.7969, 13.0686, 8.2105**, and if you desaturate by 10%, it is **26.2278, 17.8948, 15.6301**.

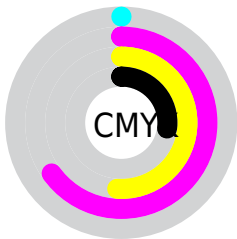
Distribution



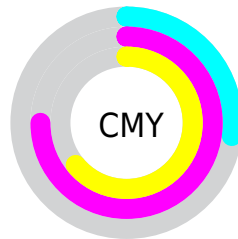
- Red (73%)
- Green (25%)
- Blue (36%)



- Red (73%)
- Yellow (25%)
- Blue (36%)



- Cyan (0%)
- Magenta (65%)
- Yellow (51%)
- Black (27%)





- Cyan (27%)
- Magenta (75%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2721, 15.1007, 11.5330 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 24.2721, 15.1007, 11.5330 by changing the saturation by 10% instead.


 24.2721, 15.1007,
11.5330


 24.2721, 15.1007,
11.5330


266.6083,
223.9749, 212.1556


 15.6614, 8.8901,
6.3079


 49.9253, 35.0297,
29.2932


 9.3742, 4.6696,
2.9614


 67.6986, 49.5170,
42.6654


 5.0451, 2.0547,
1.0750

 89.2567, 67.5318,
59.5904

 2.3088, 0.6390,
0.0000

 114.9651, 89.4588,
80.4866

 0.7992, 0.0000,
0.0000

 145.1891,
115.6821, 105.7727

 0.0000, 0.0000,
0.0000

180.2940,

146.5864, 135.8673

220.6453,
182.5558, 171.1887

■ 24.2721, 15.1007,
11.5330

■ 24.2721, 15.1007,
11.5330

■ 22.7969, 13.0686,
8.2105

■ 26.2278, 17.8948,
15.6301

■ 21.7571, 11.7198,
5.6112

■ 28.7013, 21.5143,
20.5469

■ 21.1002, 10.9622,
3.6777

■ 31.7274, 26.0190,
26.3260

■ 20.8738, 10.7169,
2.9620

■ 35.3373, 31.4622,
33.0066

■ 39.5602, 37.8932,
40.6254

■ 44.4229, 45.3575,
49.2173

■ 49.9510, 53.8982,
58.8151

■ 56.1685, 63.5556,
69.4501

■ 63.0981, 74.3681,
81.1525

Harmonies

Analogous

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



24.0683, 15.1007, 24.5328



24.2721, 15.1007, 11.5330



21.4584, 15.1007, 4.8178

Triad

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



24.2721, 15.1007, 11.5330



9.3112, 15.1007, 4.3376



12.0327, 15.1007, 52.2433

Complementary

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



24.2721, 15.1007, 11.5330



26.3843, 39.2380, 39.9043

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.



9.0195, 15.1007, 39.1908



24.2721, 15.1007, 11.5330



7.6827, 15.1007, 10.3601

Square

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



24.2721, 15.1007, 11.5330



12.5169, 15.1007, 2.3320



7.5882, 15.1007, 22.5775



16.3599, 15.1007, 53.1397

Rectangle

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



24.2721, 15.1007, 11.5330



18.5293, 15.1007, 2.9152



7.5882, 15.1007, 22.5775



10.8563, 15.1007, 48.9136

Sweetspot

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



24.2725, 15.1015, 11.5333



66.8650, 61.7817, 65.6052



25.4713, 14.9015, 48.5472



14.2650, 12.9060, 13.6148



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.



24.2725, 15.1015, 11.5333



39.9909, 22.2949, 12.6811



25.9640, 19.9789, 7.4900



9.6111, 9.5688, 10.3412



14.4045, 7.3929, 2.1576



0.5888, 0.2994, 0.2140

Inverse Universe

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



24.2725, 15.1015, 11.5333



39.9909, 22.2949, 12.6811



22.4491, 27.3099, 51.1016



9.6111, 9.5688, 10.3412



14.4045, 7.3929, 2.1576



0.5888, 0.2994, 0.2140

Previews

White Background



This preview shows how the XYZ color 24.2721, 15.1007, 11.5330 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 24.2721, 15.1007, 11.5330 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 24.2721, 15.1007, 11.5330

Background



This preview shows how black text looks on a background with the XYZ color 24.2721, 15.1007, 11.5330.



This preview shows how white text looks on a background with the XYZ color 24.2721, 15.1007,

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

24.2721, 15.1007, 11.5330

Protanopia

14.7736, 15.2324, 17.7843

Deuteranopia

15.5934, 15.3482, 10.7350



Tritanopia

23.5804, 15.1764, 7.9898

Trichromacy



Original Color

24.2721, 15.1007, 11.5330

Protanomaly

16.8582, 14.0775, 15.1933

Deuteranomaly

17.7709, 14.3900, 10.8577

Tritanomaly

23.7648, 15.1525, 9.2616

Monochromacy



Original Color

24.2721, 15.1007, 11.5330

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

15.7398, 13.2815, 13.5384

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2721, 15.1007, 11.5330 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, 65, 91)` looks like.

```
.text, #text, p{  
    color:rgb(187, 65, 91)  
}
```

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, 65, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 65, 91) }
```

Border

The CSS property to change the border of an element to XYZ 24.2721, 15.1007, 11.5330 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, 65, 91) }
```


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

```
.border{ border-color:rgb(187, 65, 91) }
```

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

Here you see how a box with a 4 pixel rgb(187, 65, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 65, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 65, 91);  
box-shadow:4px 4px 4px 4px rgb(187, 65,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2721, 15.1007, 11.5330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 65, 91) }
```

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

```
.background{ background-color: rgb(187, 65,  
91) }
```

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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