

Converting Colors

XYZ(23.0065, 12.5867, 9.5657)

Have a look what the booklet for
XYZ(23.0065, 12.5867, 9.5657)
contains.

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Color

**XYZ(22.9403, 12.5335,
9.5976)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | BC2354 |
| RGB | 188, 35, 84 |
| RGB Percent | 74%, 14%, 33% |
| CMY | 0.2627, 0.8627, 0.6706 |
| CMYK | 0.00, 0.81, 0.55, 0.26 |
| HSL | 341°, 69%, 44% |
| HSV | 341°, 81%, 74% |
| XYZ | 22.9403, 12.5335, 9.5976 |
| YIQ | 86.3330, 75.4590, 47.6750 |

Conversions

Conversions Part 2

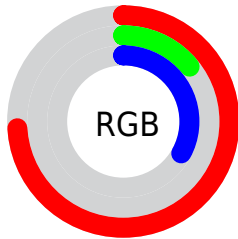
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 188, 35, 84 |
| Decimal | 12329812 |
| CIE _{Lab} | 42.05, 61.08, 11.08 |
| CIE _{LCh} | 42, 62.082, 10.282 |
| Yxy | 12.5335, 0.5090, 0.2781 |
| Android (android.graphics.Color) | 4290519892 (0xFFBC2354) |
| YUV | 86.3330, -1.1502, 89.1620 |
| Hunter-Lab | 35.4027, 53.7101, 8.7085 |

Details

The XYZ color **22.9403, 12.5335, 9.5976** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **23.3378, 38.1883, 30.5718**, and the grayscale version is **8.9085, 9.3724, 10.2066**.

A 20% lighter version of the original color is **47.9327, 30.5668, 25.5640**, and **9.2851, 4.7424, 2.4335** is the 20% darker color. If you saturate the color by 10%, you get **22.0718, 11.5260, 7.0598**, and if you desaturate by 10%, it is **24.1969, 14.1712, 12.7156**.

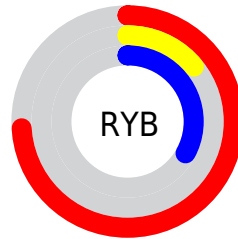
Distribution



Red (74%)

Green (14%)

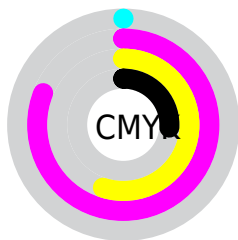
Blue (33%)



Red (74%)

Yellow (14%)

Blue (33%)

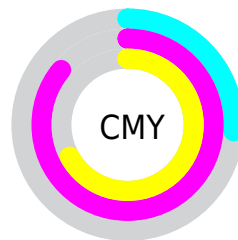


Cyan (0%)

Magenta (81%)

Yellow (55%)

Black (26%)



Cyan (26%)


Magenta (86%)


Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9403, 12.5335, 9.5976 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 22.9403, 12.5335, 9.5976 by changing the saturation by 10% instead.

 22.9403, 12.5335,
9.5976


 22.9403, 12.5335,
9.5976


259.9593,
207.9059, 198.1548


 14.6699, 7.1081,
5.0309


 47.7627, 30.4631,
25.6317


 8.6728, 3.5298,
2.2063


 65.0453, 43.7361,
37.9362

 4.5838, 1.4142,
0.6780

 86.0628, 60.3938,
53.6570

 2.0374, 0.2271,
0.0000

 111.1803, 80.8205,
73.2126

 0.6548, 0.0000,
0.0000

 140.7634,
105.4007, 97.0217

 0.0000, 0.0000,
0.0000

 175.1774,

134.5187, 125.5027

214.7876,
168.5590, 159.0742

■ 22.9403, 12.5335,
9.5976

■ 22.9403, 12.5335,
9.5976

■ 22.0718, 11.5260,
7.0598

■ 24.1969, 14.1712,
12.7156

■ 21.5598, 11.0197,
5.2933

■ 25.8867, 16.5219,
16.4513

■ 28.0494, 19.6578,
20.8391

■ 30.7195, 23.6418,
25.9104

■ 33.9283, 28.5301,
31.6944

■ 37.7044, 34.3743,
38.2185

■ 42.0743, 41.2220,
45.5085

■ 47.0629, 49.1175,
53.5889

■ 52.6936, 58.1026,
62.4833

Harmonies

Analogous

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



22.3609, 12.5335, 24.1327



22.9403, 12.5335, 9.5976



20.0381, 12.5335, 2.9326

Triad

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



22.9403, 12.5335, 9.5976



7.0503, 12.5335, 1.9953



9.1645, 12.5335, 54.2263

Complementary

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



22.9403, 12.5335, 9.5976



23.3378, 38.1883, 30.5718

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.



6.3480, 12.5335, 37.5296



22.9403, 12.5335, 9.5976



5.3635, 12.5335, 6.7470

Square

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



22.9403, 12.5335, 9.5976



10.3991, 12.5335, 0.7983



5.1448, 12.5335, 18.6997



13.5665, 12.5335, 56.9844

Rectangle

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



22.9403, 12.5335, 9.5976



16.8711, 12.5335, 1.3398



5.1448, 12.5335, 18.6997



8.0356, 12.5335, 49.7141

Sweetspot

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



22.9406, 12.5342, 9.5978



66.1581, 58.9156, 65.5545



19.9957, 10.1523, 48.4825



13.7006, 11.8546, 13.1883



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.



22.9406, 12.5342, 9.5978



39.1517, 20.0877, 9.7397



22.6853, 14.0982, 3.1167



9.6527, 9.5854, 10.5601



14.7095, 7.5150, 3.7640



0.6068, 0.3066, 0.3086

Inverse Universe

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



22.9406, 12.5342, 9.5978



39.1517, 20.0877, 9.7397



22.7796, 30.0062, 52.1680



9.6527, 9.5854, 10.5601



14.7095, 7.5150, 3.7640



0.6068, 0.3066, 0.3086

Previews

White Background



This preview shows how the XYZ color 22.9403, 12.5335, 9.5976 looks on a white background.

Color Contrast Check

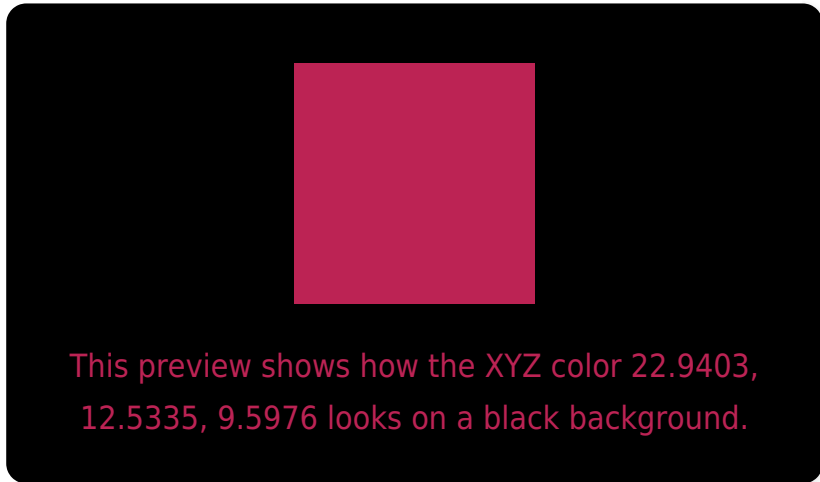
Large Text (above 18pt) WCAG AA ✓ Pass

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

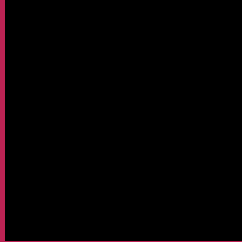
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.9403, 12.5335, 9.5976

Background



This preview shows how black text looks on a background with the XYZ color 22.9403, 12.5335, 9.5976.



This preview shows how white text looks on a background with the XYZ color 22.9403, 12.5335,

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

22.9403, 12.5335, 9.5976

Protanopia

12.7466, 12.9720, 18.3550

Deuteranopia

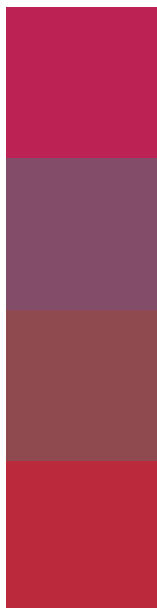
12.9936, 12.7531, 8.7979



Tritanopia

21.6812, 12.5131, 3.8573

Trichromacy



Original Color

22.9403, 12.5335, 9.5976

Protanomaly

14.4432, 10.9937, 14.4574

Deuteranomaly

15.2244, 11.3164, 8.9713

Tritanomaly

22.1021, 12.4769, 5.5183

Monochromacy



Original Color

22.9403, 12.5335, 9.5976

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

11.8152, 8.8811, 9.6858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9403, 12.5335, 9.5976 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(188, 35, 84)` looks like.

```
.text, #text, p{  
  color:rgb(188, 35, 84)  
}
```

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(188, 35, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 35, 84) }
```

Border

The CSS property to change the border of an element to XYZ 22.9403, 12.5335, 9.5976 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(188, 35, 84) }
```


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

```
.border{ border-color:rgb(188, 35, 84) }
```

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

Here you see how a box with a 4 pixel rgb(188, 35, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 35, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 35, 84);  
box-shadow:4px 4px 4px 4px rgb(188, 35,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9403, 12.5335, 9.5976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 35, 84) }
```

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

```
.background{ background-color: rgb(188, 35,  
84) }
```

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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