

Converting Colors

XYZ(23.1912, 11.9815, 23.5687)

Have a look what the booklet for
XYZ(23.1912, 11.9815, 23.5687)
contains.

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Color

**XYZ(23.2411, 12.0002,
23.6456)**

Conversions

Conversions Part 1

Format	Color
Hex	B31986
RGB	179, 25, 134
RGB Percent	70%, 10%, 53%
CMY	0.2980, 0.9019, 0.4745
CMYK	0.00, 0.86, 0.25, 0.30
HSL	318°, 75%, 40%
HSV	318°, 86%, 70%
XYZ	23.2411, 12.0002, 23.6456
YIQ	83.4720, 56.7950, 66.5470

Conversions

Conversions Part 2

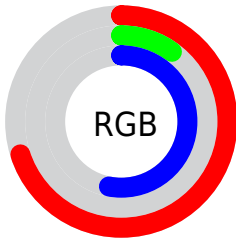
Format	Color
R_{YB}	179, 25, 134
Decimal	11737478
CIE _{Lab}	41.22, 66.04, -21.57
CIE _{LCh}	41, 69.472, 341.915
Yxy	12.0002, 0.3947, 0.2038
Android (android.graphics.Color)	4289927558 (0xFFB31986)
YUV	83.4720, 24.9103, 83.7781
Hunter-Lab	34.6413, 59.1346, -16.2215

Details

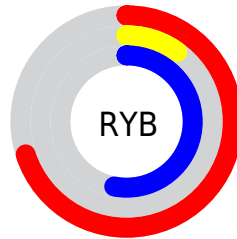
The XYZ color **23.2411, 12.0002, 23.6456** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **17.6273, 32.8895, 11.2159**, and the grayscale version is **8.2623, 8.6926, 9.4662**.

A 20% lighter version of the original color is **48.0567, 29.4193, 50.1593**, and **9.4854, 4.7050, 8.7957** is the 20% darker color. If you saturate the color by 10%, you get **22.6148, 11.3170, 21.6811**, and if you desaturate by 10%, it is **24.1283, 13.1761, 25.7863**.

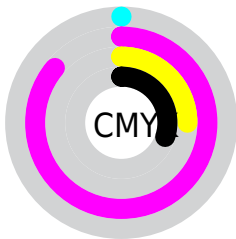
Distribution



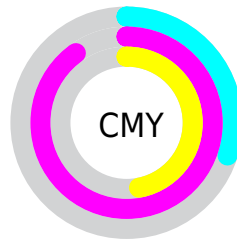
- Red (70%)
- Green (10%)
- Blue (53%)



- Red (70%)
- Yellow (10%)
- Blue (53%)



- Cyan (0%)
- Magenta (86%)
- Yellow (25%)
- Black (30%)





- Cyan (30%)
- Magenta (90%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2411, 12.0002, 23.6456 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 23.2411, 12.0002, 23.6456 by changing the saturation by 10% instead.


 23.2411, 12.0002,
23.6456


 23.2411, 12.0002,
23.6456


261.4732,
204.4066, 284.2524


 14.8933, 6.7438,
14.8612


 48.2527, 29.4955,
50.3878

 8.8304, 3.3024,
8.5765


 65.6471, 42.5031,
69.1827


 4.6869, 1.2916,
4.3730

 86.7879, 58.8634,
92.1514

 2.0976, 0.1347,
1.8321

 112.0403, 78.9605,
119.7126

 0.6879, 0.0000,
0.4490

 141.7696,
103.1791, 152.2848

 0.0000, 0.0000,
0.0000

 176.3413,

131.9033, 190.2864

216.1207,
165.5177, 234.1361

■ 23.2411, 12.0002,
23.6456

■ 23.2411, 12.0002,
23.6456

■ 22.6148, 11.3170,
21.6811

■ 24.1283, 13.1761,
25.7863

■ 22.4011, 11.1080,
20.9364

■ 25.3188, 14.9292,
28.1184

■ 26.8462, 17.3267,
30.6543

■ 28.7396, 20.4260,
33.4049

■ 31.0247, 24.2782,
36.3799

■ 33.7248, 28.9295,
39.5884

■ 36.8613, 34.4226,
43.0385

■ 40.4541, 40.7968,
46.7380

■ 44.5221, 48.0892,
50.6943

Harmonies

Analogous

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



19.1325, 12.0002, 46.2537



23.2411, 12.0002, 23.6456



23.6754, 12.0002, 8.1554

Triad

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



23.2411, 12.0002, 23.6456



9.5293, 12.0002, 0.2158



5.6316, 12.0002, 41.5430

Complementary

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



23.2411, 12.0002, 23.6456



17.6273, 32.8895, 11.2159

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.



4.3353, 12.0002, 19.6342



23.2411, 12.0002, 23.6456



6.1025, 12.0002, 1.4087

Square

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



23.2411, 12.0002, 23.6456



14.6673, 12.0002, 0.3512



4.4777, 12.0002, 6.2336



8.6677, 12.0002, 60.7946

Rectangle

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



23.2411, 12.0002, 23.6456



21.7000, 12.0002, 3.2315



4.4777, 12.0002, 6.2336



5.0244, 12.0002, 33.7673

Sweetspot

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



23.2415, 12.0008, 23.6458



60.1848, 51.4381, 70.6555



10.9137, 5.2028, 43.0770



12.9509, 10.7329, 15.2091



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



23.2415, 12.0008, 23.6458



40.0172, 19.8531, 36.9573



19.7118, 10.5889, 5.0585



8.7421, 8.6035, 10.1402



15.8590, 7.8612, 14.9494



0.5229, 0.2569, 0.5964

Inverse Universe

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



23.2415, 12.0008, 23.6458



40.0172, 19.8531, 36.9573



21.6815, 34.5112, 32.5647



8.7421, 8.6035, 10.1402



15.8590, 7.8612, 14.9494



0.5229, 0.2569, 0.5964

Previews

White Background



This preview shows how the XYZ color 23.2411, 12.0002, 23.6456 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

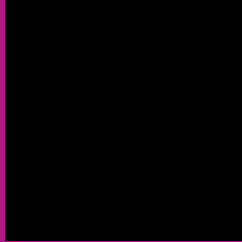
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 23.2411, 12.0002, 23.6456

Background



This preview shows how black text looks on a background with the XYZ color 23.2411, 12.0002, 23.6456.



This preview shows how white text looks on a background with the XYZ color 23.2411, 12.0002,

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

23.2411, 12.0002, 23.6456

Protanopia

14.3612, 12.5890, 48.1274

Deuteranopia

12.6567, 12.4354, 21.4719



Tritanopia

19.5123, 12.1367, 5.5892

Trichromacy



Original Color

23.2411, 12.0002, 23.6456



Protanomaly

14.0950, 9.7117, 37.6909



Deuteranomaly

14.6731, 10.4514, 22.0128



Tritanomaly

20.3379, 11.6789, 10.1991

Monochromacy



Original Color

23.2411, 12.0002, 23.6456



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

11.5921, 8.2561, 13.5530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2411, 12.0002, 23.6456 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(179, 25, 134)` looks like.

```
.text, #text, p{  
  color:rgb(179, 25, 134)  
}
```

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(179, 25, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 25, 134) }
```

Border

The CSS property to change the border of an element to XYZ 23.2411, 12.0002, 23.6456 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(179, 25, 134) }
```


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

```
.border{ border-color:rgb(179, 25, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 25, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 25, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 25, 134);  
box-shadow:4px 4px 4px 4px rgb(179, 25,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2411, 12.0002, 23.6456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 25, 134) }
```

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

```
.background{ background-color: rgb(179, 25,  
134) }
```

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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