

Converting Colors

XYZ(31.2401, 15.3524, 46.1340)

Have a look what the booklet for
XYZ(31.2401, 15.3524, 46.1340)
contains.

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Color

**XYZ(31.2100, 15.3351,
46.1148)**

Conversions

Conversions Part 1

Format	Color
Hex	C30EB7
RGB	195, 14, 183
RGB Percent	76%, 5%, 72%
CMY	0.2353, 0.9450, 0.2824
CMYK	0.00, 0.93, 0.06, 0.24
HSL	304°, 87%, 41%
HSV	304°, 93%, 76%
XYZ	31.2100, 15.3351, 46.1148
YIQ	87.3850, 53.6270, 90.9310

Conversions

Conversions Part 2

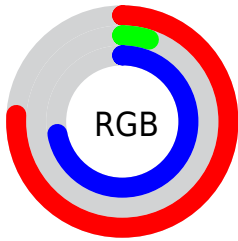
Format	Color
R _Y B	195, 14, 183
Decimal	12783287
CIE _{Lab}	46.09, 77.32, -43.14
CIE _{LCh}	46, 88.543, 330.839
Yxy	15.3351, 0.3368, 0.1655
Android (android.graphics.Color)	4290973367 (0xFFC30EB7)
YUV	87.3850, 47.1382, 94.3784
Hunter-Lab	39.1601, 73.7318, -42.4077

Details

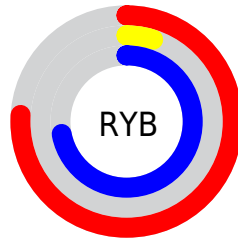
The XYZ color **31.2100, 15.3351, 46.1148** is a dark color, and the websafe version is hex **CC33CC**. The color can be described as dark washed rose. A complement of this color would be **19.8835, 39.1990, 7.4968**, and the grayscale version is **9.0382, 9.5089, 10.3552**.

A 20% lighter version of the original color is **60.8825, 35.3800, 86.0582**, and **14.2790, 6.9033, 21.3488** is the 20% darker color. If you saturate the color by 10%, you get **30.9568, 14.9826, 45.5545**, and if you desaturate by 10%, it is **31.7470, 16.1922, 46.9610**.

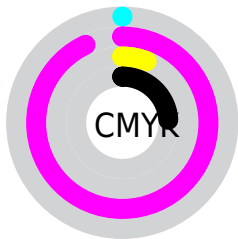
Distribution



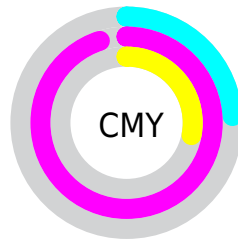
- Red (76%)
- Green (5%)
- Blue (72%)



- Red (76%)
- Yellow (5%)
- Blue (72%)



- Cyan (0%)
- Magenta (93%)
- Yellow (6%)
- Black (24%)



- Cyan (24%)
- Magenta (95%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2100, 15.3351, 46.1148 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 31.2100, 15.3351, 46.1148 by changing the saturation by 10% instead.

31.2100, 15.3351,
46.1148

31.2100, 15.3351,
46.1148

299.3143,
225.3856, 387.5610

20.9114, 9.0549,
31.9871

60.9441, 35.4400,
85.7269

13.1714, 4.7770,
21.0869

81.1104, 50.0335,
112.0483

7.6245, 2.1170,
12.9957

105.2966, 68.1668,
143.2714

3.9054, 0.6742,
7.2949

133.8681, 90.2244,
179.8148

1.6487, 0.0000,
3.5660

167.1903,
116.5907, 222.0969

0.4239, 0.0000,
1.3904

205.6285,

0.0000, 0.0000,

147.6501, 270.5362

0.1342

249.5480,
183.7869, 325.5514

■ 0.0000, 0.0000,
0.0000

■ 31.2100, 15.3351,
46.1148

■ 31.2100, 15.3351,
46.1148

■ 30.9568, 14.9826,
45.5545

■ 31.7470, 16.1922,
46.9610

■ 32.5991, 17.6781,
47.9183

■ 33.8140, 19.8875,
49.0026

■ 35.4308, 22.8987,
50.2271

■ 37.4836, 26.7799,
51.6030

■ 40.0028, 31.5920,
53.1406

■ 43.0161, 37.3903,
54.8491

■ 46.5492, 44.2260,
56.7371

■ 50.6257, 52.1467,
58.8124

Harmonies

Analogous

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



23.3204, 15.3351, 83.5144



31.2100, 15.3351, 46.1148



34.3536, 15.3351, 16.0980

Triad

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



31.2100, 15.3351, 46.1148



14.3647, 15.3351, 0.0000



5.3486, 15.3351, 48.2143

Complementary

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



31.2100, 15.3351, 46.1148



19.8835, 39.1990, 7.4968

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.



4.3679, 15.3351, 17.3114



31.2100, 15.3351, 46.1148



8.3462, 15.3351, 0.2406

Square

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



31.2100, 15.3351, 46.1148



22.8221, 15.3351, 0.1499



5.2408, 15.3351, 3.5524



8.6017, 15.3351, 85.3014

Rectangle

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



31.2100, 15.3351, 46.1148



32.7073, 15.3351, 5.8698



5.2408, 15.3351, 3.5524



4.8048, 15.3351, 36.1985

Sweetspot

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



31.2106, 15.3358, 46.1151



73.8942, 60.9015, 96.4746



10.3628, 4.4379, 51.9409



15.6868, 12.3856, 20.8407



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



31.2106, 15.3358, 46.1151



55.4063, 26.8188, 81.3925



24.7500, 12.7516, 12.0939



10.4675, 10.2356, 12.5526



20.1323, 9.7427, 29.6724



0.8787, 0.4245, 1.3286

Inverse Universe

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



31.2106, 15.3358, 46.1151



55.4063, 26.8188, 81.3925



22.7091, 40.3292, 22.3762



10.4675, 10.2356, 12.5526



20.1323, 9.7427, 29.6724



0.8787, 0.4245, 1.3286

Previews

White Background



This preview shows how the XYZ color 31.2100, 15.3351, 46.1148 looks on a white background.

Color Contrast Check

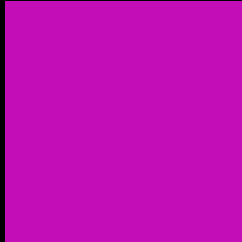
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.2100, 15.3351, 46.1148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

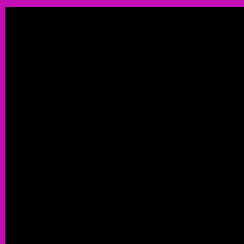
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 31.2100, 15.3351, 46.1148

Background



This preview shows how black text looks on a background with the XYZ color 31.2100, 15.3351, 46.1148.



This preview shows how white text looks on a background with the XYZ color 31.2100, 15.3351,

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

31.2100, 15.3351, 46.1148

Protanopia

18.9852, 16.0064, 74.0404

Deuteranopia

16.1642, 15.7501, 41.2179



Tritanopia

23.4893, 15.4913, 8.7733

Trichromacy



Original Color

31.2100, 15.3351, 46.1148



Protanomaly

16.6139, 10.7578, 62.1736



Deuteranomaly

18.2377, 12.2317, 42.4740



Tritanomaly

25.1194, 14.4083, 17.9801

Monochromacy



Original Color

31.2100, 15.3351, 46.1148



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

13.7329, 9.0725, 19.4397

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2100, 15.3351, 46.1148 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(195, 14, 183)` looks like.

```
.text, #text, p{  
    color:rgb(195, 14, 183)  
}
```

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(195, 14, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 14, 183) }
```

Border

The CSS property to change the border of an element to XYZ 31.2100, 15.3351, 46.1148 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(195, 14, 183) }
```


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

```
.border{ border-color:rgb(195, 14, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 14, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 14, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 14, 183);  
box-shadow:4px 4px 4px 4px rgb(195, 14,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2100, 15.3351, 46.1148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 14, 183) }
```

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

```
.background{ background-color: rgb(195, 14,  
183) }
```

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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