

Converting Colors

XYZ(31.9652, 15.9896, 23.5918)

Have a look what the booklet for
XYZ(31.9652, 15.9896, 23.5918)
contains.

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Color

**XYZ(31.9652, 15.9896,
23.5918)**

Conversions

Conversions Part 1

Format	Color
Hex	D60085
RGB	214, 0, 133
RGB Percent	84%, 0%, 52%
CMY	0.1608, 0.9998, 0.4784
CMYK	0.00, 1.00, 0.38, 0.16
HSL	323°, 100%, 42%
HSV	323°, 100%, 84%
XYZ	31.9652, 15.9896, 23.5918
YIQ	79.1480, 84.8510, 86.7310

Conversions

Conversions Part 2

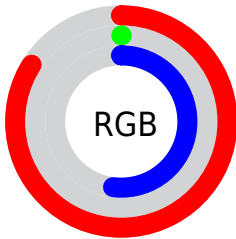
Format	Color
R_{YB}	214, 0, 133
Decimal	14024837
CIE _{Lab}	46.96, 76.33, -11.57
CIE _{LCh}	47, 77.198, 351.380
Yxy	15.9896, 0.4468, 0.2235
Android (android.graphics.Color)	4292214917 (0xFFD60085)
YUV	79.1480, 26.5490, 118.2652
Hunter-Lab	39.9870, 72.7138, -6.9894

Details

The XYZ color **31.9652, 15.9896, 23.5918** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **25.5339, 48.6881, 15.8448**, and the grayscale version is **7.4039, 7.7895, 8.4827**.

A 20% lighter version of the original color is **53.8440, 32.2873, 49.8486**, and **14.7371, 7.4124, 9.0415** is the 20% darker color. If you saturate the color by 10%, you get **31.9641, 15.9892, 23.5861**, and if you desaturate by 10%, it is **32.8232, 16.7750, 26.7469**.

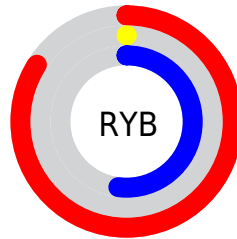
Distribution



Red (84%)

Green (0%)

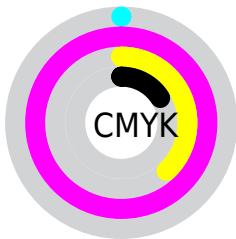
Blue (52%)



Red (84%)

Yellow (0%)

Blue (52%)

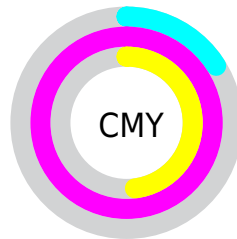


Cyan (0%)

Magenta (100%)

Yellow (38%)

Black (16%)



Cyan (16%)


Magenta (100%)


Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9652, 15.9896, 23.5918 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 31.9652, 15.9896, 23.5918 by changing the saturation by 10% instead.

 31.9652, 15.9896,
23.5918

 31.9652, 15.9896,
23.5918


302.7088,
229.2803, 283.9700


 21.4903, 9.5168,
14.8217


 62.1221, 36.5801,
50.2987


 13.5974, 5.0798,
8.5491


 82.5348, 51.4667,
69.0726


 7.9210, 2.2941,
4.3555


 106.9909, 69.9266,
92.0181

 4.0958, 0.7706,
1.8223

 135.8557, 92.3442,
119.5539

 1.7565, 0.0000,
0.4426

 169.4945,
119.1040, 152.0985

 0.4912, 0.0000,
0.0000

 208.2727,

 0.0000, 0.0000,

150.5904, 190.0703

0.0000

252.5557,
187.1877, 233.8880

■ 31.9652, 15.9896,
23.5918

■ 31.9652, 15.9896,
23.5918

■ 31.9641, 15.9892,
23.5861

■ 32.8232, 16.7750,
26.7469

■ 34.0308, 18.1888,
30.2361

■ 35.6905, 20.4350,
34.0982

■ 37.8594, 23.6261,
38.3565

■ 40.5857, 27.8571,
43.0312

■ 43.9117, 33.2113,
48.1407

■ 47.8754, 39.7635,
53.7016

■ 52.5117, 47.5820,
59.7295

■ 57.8526, 56.7300,
66.2388

Harmonies

Analogous

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



27.7496, 15.9896, 52.4066



31.9652, 15.9896, 23.5918



30.7562, 15.9896, 7.0764

Triad

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



31.9652, 15.9896, 23.5918



10.9430, 15.9896, 0.6349



8.4548, 15.9896, 65.5412

Complementary

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



31.9652, 15.9896, 23.5918



25.5339, 48.6881, 15.8448

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.



6.0372, 15.9896, 34.7643



31.9652, 15.9896, 23.5918



7.1498, 15.9896, 2.9944

Square

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



31.9652, 15.9896, 23.5918



17.2256, 15.9896, 0.3244



5.6430, 15.9896, 12.4150



13.3354, 15.9896, 86.0076

Rectangle

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



31.9652, 15.9896, 23.5918



27.1542, 15.9896, 2.5904



5.6430, 15.9896, 12.4150



7.3954, 15.9896, 55.3153

Sweetspot

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



31.9657, 15.9905, 23.5921



70.9929, 58.7932, 79.5859



15.3205, 6.4966, 64.0648



14.6355, 11.6534, 16.2650



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.



31.9657, 15.9905, 23.5921



47.4515, 23.7446, 34.6391



27.9485, 14.3836, 2.4380



12.7444, 12.5493, 14.5945



19.3723, 9.6852, 14.5305



1.2081, 0.6000, 1.0853

Inverse Universe

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



31.9657, 15.9905, 23.5921



47.4515, 23.7446, 34.6391



32.8540, 51.6162, 54.3921



12.7444, 12.5493, 14.5945



19.3723, 9.6852, 14.5305



1.2081, 0.6000, 1.0853

Previews

White Background



This preview shows how the XYZ color 31.9652, 15.9896, 23.5918 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 31.9652, 15.9896, 23.5918 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 31.9652, 15.9896, 23.5918

Background



This preview shows how black text looks on a background with the XYZ color 31.9652, 15.9896, 23.5918.



This preview shows how white text looks on a background with the XYZ color 31.9652, 15.9896,

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

31.9652, 15.9896, 23.5918

Protanopia

18.3967, 16.8359, 51.5703

Deuteranopia

16.9597, 16.6002, 21.3791



Tritanopia

28.2335, 16.3679, 5.1613

Trichromacy



Original Color

31.9652, 15.9896, 23.5918



Protanomaly

18.5622, 12.0759, 39.3828



Deuteranomaly

19.3474, 12.7826, 21.5263



Tritanomaly

28.9973, 15.6175, 9.6698

Monochromacy



Original Color

31.9652, 15.9896, 23.5918



Achromatopsia

7.4317, 7.8187, 8.5146



Achromatomaly

12.2948, 7.7713, 12.6564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9652, 15.9896, 23.5918 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(214, 0, 133)` looks like.

```
.text, #text, p{  
    color:rgb(214, 0, 133)  
}
```

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(214, 0, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 0, 133) }
```

Border

The CSS property to change the border of an element to XYZ 31.9652, 15.9896, 23.5918 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(214, 0, 133) }
```


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

```
.border{ border-color:rgb(214, 0, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 0, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 0, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 0, 133);  
box-shadow:4px 4px 4px 4px rgb(214, 0,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9652, 15.9896, 23.5918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 0, 133) }
```

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

```
.background{ background-color: rgb(214, 0,  
133) }
```

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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