

Converting Colors

XYZ(31.6172, 17.0422, 23.6920)

Have a look what the booklet for
XYZ(31.6172, 17.0422, 23.6920)
contains.

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Color

**XYZ(31.6399, 17.0510,
23.8139)**

Conversions

Conversions Part 1

Format	Color
Hex	D22A85
RGB	210, 42, 133
RGB Percent	82%, 16%, 52%
CMY	0.1765, 0.8352, 0.4784
CMYK	0.00, 0.80, 0.37, 0.18
HSL	328°, 67%, 49%
HSV	328°, 80%, 82%
XYZ	31.6399, 17.0510, 23.8139
YIQ	102.6060, 70.9170, 63.9170

Conversions

Conversions Part 2

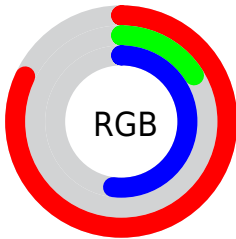
Format	Color
R_{YB}	210, 42, 133
Decimal	13773445
CIE _{Lab}	48.32, 69.27, -9.60
CIE _{LCh}	48, 69.928, 352.112
Yxy	17.0510, 0.4364, 0.2352
Android (android.graphics.Color)	4291963525 (0xFFD22A85)
YUV	102.6060, 14.9842, 94.1845
Hunter-Lab	41.2929, 64.5099, -5.2880

Details

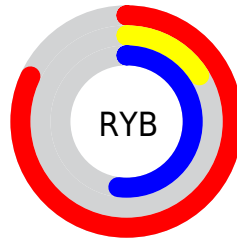
The XYZ color **31.6399, 17.0510, 23.8139** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **27.3325, 47.9178, 25.2652**, and the grayscale version is **12.7385, 13.4019, 14.5947**.

A 20% lighter version of the original color is **55.2570, 35.1132, 50.3195**, and **14.1779, 7.1241, 9.0153** is the 20% darker color. If you saturate the color by 10%, you get **30.4454, 15.6779, 20.2836**, and if you desaturate by 10%, it is **33.2862, 19.2299, 27.7957**.

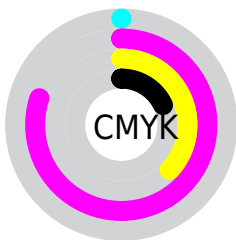
Distribution



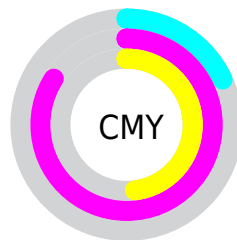
- Red (82%)
- Green (16%)
- Blue (52%)



- Red (82%)
- Yellow (16%)
- Blue (52%)



- Cyan (0%)
- Magenta (80%)
- Yellow (37%)
- Black (18%)





- Cyan (18%)
- Magenta (84%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6399, 17.0510, 23.8139 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 31.6399, 17.0510, 23.8139 by changing the saturation by 10% instead.


 31.6399, 17.0510,
23.8139


 31.6399, 17.0510,
23.8139


301.2501,
235.4661, 285.1345


 21.2408, 10.2709,
14.9847


 61.6152, 38.4134,
50.6664


 13.4136, 5.5789,
8.6621


 81.9220, 53.7645,
69.5267


 7.7929, 2.5908,
4.4277


 106.2622, 72.7414,
92.5679

 4.0134, 0.9220,
1.8628

 135.0010, 95.7284,
120.2083

 1.7097, 0.0000,
0.4689

 168.5039,
123.1100, 152.8667

 0.4623, 0.0000,
0.0000

207.1361,

 0.0000, 0.0000,

155.2706, 190.9615

0.0000

251.2631,
192.5945, 234.9112

■ 31.6399, 17.0510,
23.8139

■ 31.6399, 17.0510,
23.8139

■ 30.4454, 15.6779,
20.2836

■ 33.2862, 19.2299,
27.7957

■ 29.6014, 14.9111,
17.1628

■ 35.4378, 22.3196,
32.2543

■ 29.6009, 14.9107,
17.1609

■ 38.1419, 26.4117,
37.2130

■ 41.4396, 31.5862,
42.6927

■ 45.3678, 37.9146,
48.7125

■ 49.9603, 45.4625,
55.2906

■ 55.2485, 54.2904,
62.4440

■ 61.2617, 64.4547,
70.1888

■ 68.0274, 76.0085,
78.5403

Harmonies

Analogous

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



27.9382, 17.0510, 49.5610



31.6399, 17.0510, 23.8139



30.4280, 17.0510, 8.2355

Triad

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



31.6399, 17.0510, 23.8139



12.0150, 17.0510, 1.3351



9.7822, 17.0510, 62.3615

Complementary

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



31.6399, 17.0510, 23.8139



27.3325, 47.9178, 25.2652

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.



7.2938, 17.0510, 35.1709



31.6399, 17.0510, 23.8139



8.3273, 17.0510, 4.2720

Square

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



31.6399, 17.0510, 23.8139



17.9481, 17.0510, 0.9825



6.8419, 17.0510, 14.1514



14.5813, 17.0510, 79.6008

Rectangle

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



31.6399, 17.0510, 23.8139



27.1111, 17.0510, 3.5697



6.8419, 17.0510, 14.1514



8.7057, 17.0510, 53.4765

Sweetspot

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



31.6404, 17.0519, 23.8142



74.3453, 65.2978, 81.3207



19.8792, 10.1341, 61.8810



15.3723, 13.0896, 16.6262



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.



31.6404, 17.0519, 23.8142



46.2929, 23.4583, 27.9921



27.9914, 15.5923, 4.5988



12.0727, 11.9138, 13.6585



18.1075, 9.1158, 10.7382



1.0523, 0.5256, 0.8101

Inverse Universe

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



31.6404, 17.0519, 23.8142



46.2929, 23.4583, 27.9921



34.6154, 50.8310, 63.6164



12.0727, 11.9138, 13.6585



18.1075, 9.1158, 10.7382



1.0523, 0.5256, 0.8101

Previews

White Background



This preview shows how the XYZ color 31.6399, 17.0510, 23.8139 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 31.6399, 17.0510, 23.8139 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 31.6399, 17.0510, 23.8139

Background



This preview shows how black text looks on a background with the XYZ color 31.6399, 17.0510, 23.8139.



This preview shows how white text looks on a background with the XYZ color 31.6399, 17.0510,

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

31.6399, 17.0510, 23.8139

Protanopia

18.4577, 17.3297, 45.5522

Deuteranopia

17.6642, 17.2800, 21.8064



Tritanopia

28.3001, 17.1939, 7.1374

Trichromacy



Original Color

31.6399, 17.0510, 23.8139

Protanomaly

19.8506, 14.5291, 36.4085

Deuteranomaly

20.8220, 15.3435, 22.2862

Tritanomaly

29.0346, 16.8491, 11.6194

Monochromacy



Original Color

31.6399, 17.0510, 23.8139

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

17.1350, 12.8505, 17.4969

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6399, 17.0510, 23.8139 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(210, 42, 133)` looks like.

```
.text, #text, p{  
    color:rgb(210, 42, 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(210, 42, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 42, 133) }
```

Border

The CSS property to change the border of an element to XYZ 31.6399, 17.0510, 23.8139 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(210, 42, 133) }
```


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

```
.border{ border-color:rgb(210, 42, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 42, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 42, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 42, 133);  
box-shadow:4px 4px 4px 4px rgb(210, 42,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6399, 17.0510, 23.8139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 42, 133) }
```

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

```
.background{ background-color: rgb(210, 42,  
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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