

Converting Colors

XYZ(32.7378, 16.6630, 23.6811)

Have a look what the booklet for
XYZ(32.7378, 16.6630, 23.6811)
contains.

XYZ(32.7378, 16.6630, 23.6811)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.7378, 16.6630,
23.6811)**

Conversions

Conversions Part 1

Format	Color
Hex	D81085
RGB	216, 16, 133
RGB Percent	85%, 6%, 52%
CMY	0.1529, 0.9371, 0.4784
CMYK	0.00, 0.93, 0.38, 0.15
HSL	325°, 86%, 45%
HSV	325°, 93%, 85%
XYZ	32.7378, 16.6630, 23.6811
YIQ	89.1380, 81.6430, 78.7870

Conversions

Conversions Part 2

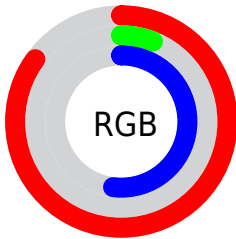
Format	Color
R_{YB}	216, 16, 133
Decimal	14160005
CIE _{Lab}	47.83, 75.35, -10.22
CIE _{LCh}	48, 76.038, 352.276
Yxy	16.6630, 0.4480, 0.2280
Android (android.graphics.Color)	4292350085 (0xFFD81085)
YUV	89.1380, 21.6240, 111.2580
Hunter-Lab	40.8203, 71.7209, -5.8217

Details

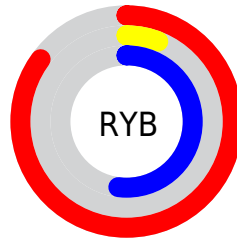
The XYZ color **32.7378, 16.6630, 23.6811** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **27.0238, 50.1236, 20.0633**, and the grayscale version is **9.4711, 9.9643, 10.8511**.

A 20% lighter version of the original color is **54.1951, 32.9896, 49.9656**, and **15.1178, 7.6087, 9.0593** is the 20% darker color. If you saturate the color by 10%, you get **32.1070, 16.1142, 21.2737**, and if you desaturate by 10%, it is **33.8802, 17.9138, 27.2497**.

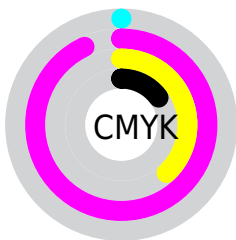
Distribution



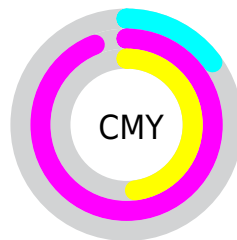
- Red (85%)
- Green (6%)
- Blue (52%)



- Red (85%)
- Yellow (6%)
- Blue (52%)



- Cyan (0%)
- Magenta (93%)
- Yellow (38%)
- Black (15%)





- Cyan (15%)
- Magenta (94%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7378, 16.6630, 23.6811 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 32.7378, 16.6630, 23.6811 by changing the saturation by 10% instead.


 32.7378, 16.6630,
23.6811

 32.7378, 16.6630,
23.6811

306.1525,
233.2228, 284.4387


 22.0839, 9.9945,
14.8872


 63.3234, 37.7454,
50.4466

 14.0355, 5.3953,
8.5945


 83.9858, 52.9282,
69.2553


 8.2273, 2.4810,
4.3845


 108.7151, 71.7178,
92.2393

 4.2937, 0.8671,
1.8386

 137.8767, 94.4987,
119.8172

 1.8696, 0.0000,
0.4532

 171.8358,
121.6552, 152.4076

 0.5591, 0.0000,
0.0000

 210.9580,

 0.0000, 0.0000,

153.5718, 190.4289

0.0000

255.6084,
190.6329, 234.2998

■ 32.7378, 16.6630,
23.6811

■ 32.7378, 16.6630,
23.6811

■ 32.1070, 16.1142,
21.2737

■ 33.8802, 17.9138,
27.2497

■ 35.4752, 19.9831,
31.2363

■ 37.5851, 22.9936,
35.6676

■ 40.2615, 27.0466,
40.5668

■ 43.5493, 32.2302,
45.9545

■ 47.4889, 38.6230,
51.8497

■ 52.1168, 46.2967,
58.2699

■ 57.4669, 55.3171,
65.2316

■ 63.5707, 65.7458,
72.7503

Harmonies

Analogous

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



28.6594, 16.6630, 52.2495



32.7378, 16.6630, 23.6811



31.3607, 16.6630, 7.2955

Triad

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



32.7378, 16.6630, 23.6811



11.3634, 16.6630, 0.8464



9.0855, 16.6630, 67.1038

Complementary

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



32.7378, 16.6630, 23.6811



27.0238, 50.1236, 20.0633

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.



6.5294, 16.6630, 36.4577



32.7378, 16.6630, 23.6811



7.5566, 16.6630, 3.4902

Square

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



32.7378, 16.6630, 23.6811



17.6688, 16.6630, 0.4979



6.0641, 16.6630, 13.5439



14.1377, 16.6630, 86.7419

Rectangle

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



32.7378, 16.6630, 23.6811



27.6753, 16.6630, 2.7818



6.0641, 16.6630, 13.5439



7.9734, 16.6630, 57.0195

Sweetspot

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



32.7383, 16.6639, 23.6814



71.9379, 60.8312, 79.4449



17.4065, 7.8174, 65.5571



14.7967, 12.0295, 16.1535



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.



32.7383, 16.6639, 23.6814



46.6774, 23.4350, 30.5630



28.8235, 15.0980, 3.0666



12.7249, 12.5414, 14.4913



19.0591, 9.5599, 12.8810



1.1903, 0.5929, 0.9917

Inverse Universe

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



32.7383, 16.6639, 23.6814



46.6774, 23.4350, 30.5630



34.7342, 53.2077, 60.6659



12.7249, 12.5414, 14.4913



19.0591, 9.5599, 12.8810



1.1903, 0.5929, 0.9917

Previews

White Background



This preview shows how the XYZ color 32.7378, 16.6630, 23.6811 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 32.7378, 16.6630, 23.6811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

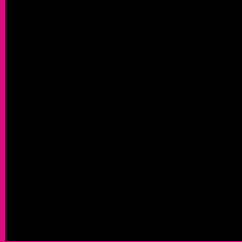
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 32.7378, 16.6630, 23.6811

Background



This preview shows how black text looks on a background with the XYZ color 32.7378, 16.6630, 23.6811.



This preview shows how white text looks on a background with the XYZ color 32.7378, 16.6630,

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

32.7378, 16.6630, 23.6811

Protanopia

18.6356, 17.1473, 50.4717

Deuteranopia

17.3486, 16.9617, 21.4283



Tritanopia

28.8969, 16.7727, 5.4558

Trichromacy



Original Color

32.7378, 16.6630, 23.6811



Protanomaly

19.3310, 13.0779, 39.0415



Deuteranomaly

20.1255, 13.7691, 21.6756



Tritanomaly

29.7996, 16.3038, 9.9638

Monochromacy



Original Color

32.7378, 16.6630, 23.6811



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

14.2641, 9.6161, 14.4689

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7378, 16.6630, 23.6811 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(216, 16, 133)` looks like.

```
.text, #text, p{  
    color:rgb(216, 16, 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(216, 16, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 16, 133) }
```

Border

The CSS property to change the border of an element to XYZ 32.7378, 16.6630, 23.6811 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(216, 16, 133) }
```


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

```
.border{ border-color:rgb(216, 16, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 16, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 16, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 16, 133);  
box-shadow:4px 4px 4px 4px rgb(216, 16,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7378, 16.6630, 23.6811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 16, 133) }
```

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

```
.background{ background-color: rgb(216, 16,  
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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