

Converting Colors

XYZ(13.0289, 6.3658, 16.4616)

Have a look what the booklet for
XYZ(13.0289, 6.3658, 16.4616)
contains.

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Color

**XYZ(13.0289, 6.3658,
16.4616)**

Conversions

Conversions Part 1

Format	Color
Hex	870072
RGB	135, 0, 114
RGB Percent	53%, 0%, 45%
CMY	0.4706, 0.9999, 0.5529
CMYK	0.00, 1.00, 0.16, 0.47
HSL	309°, 100%, 26%
HSV	309°, 100%, 53%
XYZ	13.0289, 6.3658, 16.4616
YIQ	53.3610, 43.8660, 64.0740

Conversions

Conversions Part 2

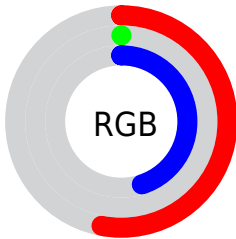
Format	Color
RYB	135, 0, 114
Decimal	8847474
CIELab	30.32, 58.16, -26.69
CIElCh	30, 63.994, 335.352
Yxy	6.3658, 0.3634, 0.1775
Android (android.graphics.Color)	4287037554 (0xFF870072)
YUV	53.3610, 29.8950, 71.5974
Hunter-Lab	25.2305, 48.0229, -21.0222

Details

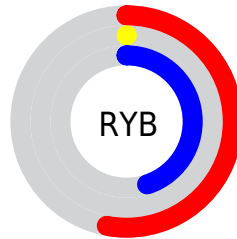
The XYZ color **13.0289, 6.3658, 16.4616** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **8.7997, 17.3823, 3.6015**, and the grayscale version is **3.3898, 3.5663, 3.8837**.

A 20% lighter version of the original color is **31.0037, 18.7247, 38.0566**, and **4.2624, 2.0871, 5.1792** is the 20% darker color. If you saturate the color by 10%, you get **13.0289, 6.3658, 16.4610**, and if you desaturate by 10%, it is **13.3005, 6.7154, 17.1488**.

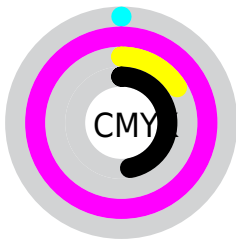
Distribution



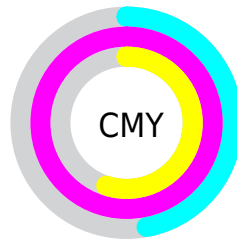
- Red (53%)
- Green (0%)
- Blue (45%)



- Red (53%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (16%)
- Black (47%)



- Cyan (47%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0289, 6.3658, 16.4616 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 13.0289, 6.3658, 16.4616 by changing the saturation by 10% instead.

13.0289, 6.3658,
16.4616

13.0289, 6.3658,
16.4616

204.7367,
162.2849, 243.9883

7.5256, 3.0688,
9.6935

30.9566, 18.6855,
38.1756

3.8421, 1.1677,
5.0933

44.1116, 28.4769,
53.9586

1.6132, 0.0351,
2.2424

60.5480, 41.2020,
73.5836

0.4010, 0.0000,
0.6987


80.6310, 57.2450,
97.4692


0.0000, 0.0000,
0.0000

104.7260, 76.9904,
126.0340

133.1984,

100.8226, 159.6964


 166.4135,
129.1259, 198.8750

 13.0289, 6.3658,
16.4616

 13.0289, 6.3658,
16.4616


 13.0289, 6.3658,
16.4610

 13.3005, 6.7154,
17.1488

 13.6659, 7.2482,
17.8809

 14.1764, 8.0668,
18.6750

 14.8493, 9.2057,
19.5371

 15.6994, 10.6946,
20.4722

■ 16.7400, 12.5598,
21.4848

■ 17.9829, 14.8251,
22.5788

■ 19.4391, 17.5123,
23.7581

■ 21.1186, 20.6417,
25.0261

Harmonies

Analogous

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



10.0799, 6.3658, 31.3399



13.0289, 6.3658, 16.4616



13.8889, 6.3658, 5.4903

Triad

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



13.0289, 6.3658, 16.4616



5.5239, 6.3658, 0.0000



2.4376, 6.3658, 21.7337

Complementary

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



13.0289, 6.3658, 16.4616



8.7997, 17.3823, 3.6015

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.



1.9097, 6.3658, 8.6046



13.0289, 6.3658, 16.4616



3.2698, 6.3658, 0.0054

Square

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



13.0289, 6.3658, 16.4616



8.8158, 6.3658, 0.0000



2.1534, 6.3658, 2.0457



3.9339, 6.3658, 35.7847

Rectangle

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



13.0289, 6.3658, 16.4616



12.9786, 6.3658, 1.9646



2.1534, 6.3658, 2.0457



2.1686, 6.3658, 16.7942

Sweetspot

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



13.0291, 6.3661, 16.4617



32.0401, 26.2486, 40.2958



4.6672, 1.9011, 23.0427



7.2230, 5.7184, 9.1623



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



13.0291, 6.3661, 16.4617



23.2843, 11.3807, 29.2266



10.5102, 5.3585, 3.1972



4.8276, 4.7507, 5.7045



12.0182, 5.8716, 15.1998



0.0437, 0.0212, 0.0636

Inverse Universe

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



13.0291, 6.3661, 16.4617



23.2843, 11.3807, 29.2266



10.4155, 18.0286, 12.1103



4.8276, 4.7507, 5.7045



12.0182, 5.8716, 15.1998



0.0437, 0.0212, 0.0636

Previews

White Background



This preview shows how the XYZ color 13.0289, 6.3658, 16.4616 looks on a white background.

Color Contrast Check

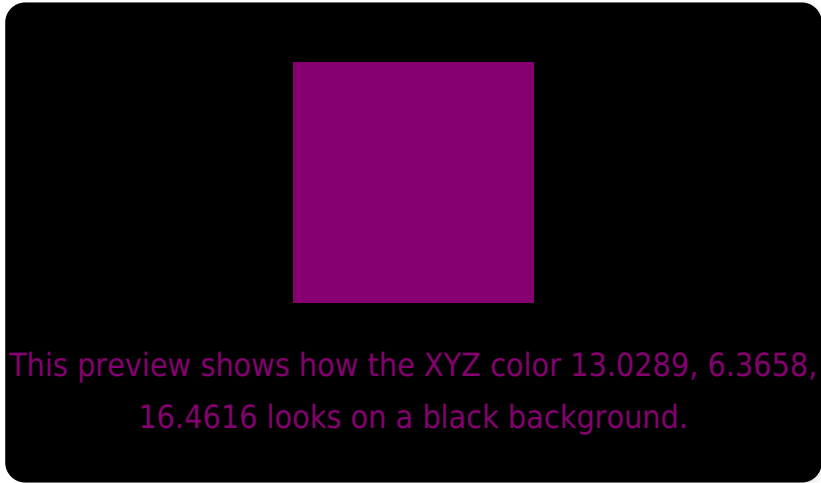
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

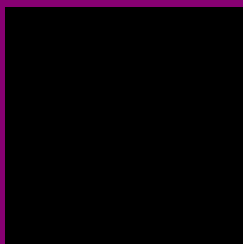
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0289, 6.3658, 16.4616

Background



This preview shows how black text looks on a background with the XYZ color 13.0289, 6.3658, 16.4616.



This preview shows how white text looks on a background with the XYZ color 13.0289, 6.3658,

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

13.0289, 6.3658, 16.4616

Protanopia

8.0671, 6.9346, 31.0503

Deuteranopia

7.0892, 6.9832, 14.8842



Tritanopia

10.5047, 6.7491, 3.4384

Trichromacy



Original Color

13.0289, 6.3658, 16.4616

Protanomaly

6.9038, 4.4710, 24.9252

Deuteranomaly

7.9508, 5.2827, 15.3525

Tritanomaly

10.9368, 6.1590, 6.5736

Monochromacy



Original Color

13.0289, 6.3658, 16.4616

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.4093, 3.4911, 7.0453

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0289, 6.3658, 16.4616 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(135, 0, 114)` looks like.

```
.text, #text, p{  
    color:rgb(135, 0, 114)  
}
```

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(135, 0, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 0, 114) }
```

Border

The CSS property to change the border of an element to XYZ 13.0289, 6.3658, 16.4616 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(135, 0, 114) }
```


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

```
.border{ border-color:rgb(135, 0, 114) }
```

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

Here you see how a box with a 4 pixel rgb(135, 0, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 0, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 0, 114);  
box-shadow:4px 4px 4px 4px rgb(135, 0,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0289, 6.3658, 16.4616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 0, 114) }
```

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

```
.background{ background-color: rgb(135, 0,  
114) }
```

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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