

Converting Colors

XYZ(11.6087, 2.8232, 19.8134)

Have a look what the booklet for
XYZ(11.6087, 2.8232, 19.8134)
contains.

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Color

**XYZ(13.4388, 6.4929,
20.2836)**

Conversions

Conversions Part 1

Format	Color
Hex	85007E
RGB	133, 0, 126
RGB Percent	52%, 0%, 49%
CMY	0.4784, 1.0000, 0.5059
CMYK	0.00, 1.00, 0.05, 0.48
HSL	303°, 100%, 26%
HSV	303°, 100%, 52%
XYZ	13.4388, 6.4929, 20.2836
YIQ	54.1310, 38.8220, 67.3820

Conversions

Conversions Part 2

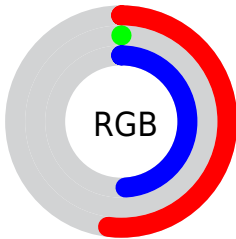
Format	Color
R_{YB}	133, 0, 126
Decimal	8716414
CIE _{Lab}	30.62, 59.52, -33.84
CIE _{LCh}	31, 68.466, 330.380
Yxy	6.4929, 0.3342, 0.1615
Android (android.graphics.Color)	4286906494 (0xFF85007E)
YUV	54.1310, 35.4314, 69.1681
Hunter-Lab	25.4812, 49.5491, -29.3594

Details

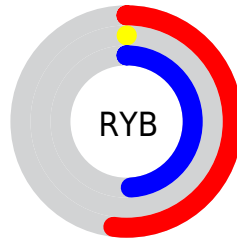
The XYZ color **13.4388, 6.4929, 20.2836** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **8.4262, 16.7908, 2.9982**, and the grayscale version is **3.4775, 3.6586, 3.9842**.

A 20% lighter version of the original color is **31.7544, 18.9669, 44.6352**, and **4.5290, 2.1841, 7.0203** is the 20% darker color. If you saturate the color by 10%, you get **13.4389, 6.4930, 20.2835**, and if you desaturate by 10%, it is **13.6322, 6.8070, 20.5718**.

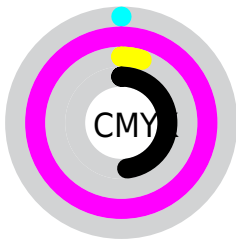
Distribution



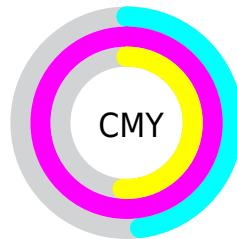
- Red (52%)
- Green (0%)
- Blue (49%)



- Red (52%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (5%)
- Black (48%)



- Cyan (48%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.4388, 6.4929, 20.2836 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 13.4388, 6.4929, 20.2836 by changing the saturation by 10% instead.


 13.4388, 6.4929,
20.2836


 13.4388, 6.4929,
20.2836


207.2923,
163.3810, 266.1011


 7.8105, 3.1470,
12.4152


 31.6845, 18.9455,
44.7574

 4.0247, 1.2090,
6.9012


 45.0327, 28.8211,
62.1998


 1.7161, 0.0690,
3.3229

 61.6848, 41.6421,
83.6708

 0.4663, 0.0000,
1.2618

 82.0062, 57.7928,
109.5887

 0.0000, 0.0000,
0.0301


 106.3623, 77.6576,
140.3721


 0.0000, 0.0000,
0.0000


 135.1185,

101.6210, 176.4397


 168.6400,
130.0673, 218.2098


 13.4388, 6.4929,
20.2836

 13.4388, 6.4929,
20.2836


 13.4389, 6.4930,
20.2835

 13.6322, 6.8070,
20.5718

 13.9130, 7.2955,
20.8907

 14.3317, 8.0593,
21.2571

 14.9050, 9.1317,
21.6765

 15.6470, 10.5413,
22.1539

■ 16.5706, 12.3134,
22.6933

■ 17.6871, 14.4708,
23.2986

■ 19.0071, 17.0346,
23.9733

■ 20.5403, 20.0243,
24.7206

Harmonies

Analogous

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



9.9424, 6.4929, 36.9085



13.4388, 6.4929, 20.2836



14.8714, 6.4929, 6.9506

Triad

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



13.4388, 6.4929, 20.2836



6.1296, 6.4929, 0.0000



2.1725, 6.4929, 20.7053

Complementary

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



13.4388, 6.4929, 20.2836



8.4262, 16.7908, 2.9982

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.



1.7687, 6.4929, 7.1901



13.4388, 6.4929, 20.2836



3.4995, 6.4929, 0.0000

Square

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



13.4388, 6.4929, 20.2836



9.8432, 6.4929, 0.0000



2.1517, 6.4929, 1.3725



3.5493, 6.4929, 37.2701

Rectangle

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



13.4388, 6.4929, 20.2836



14.1733, 6.4929, 2.4603



2.1517, 6.4929, 1.3725



1.9459, 6.4929, 15.4107

Sweetspot

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



13.4391, 6.4932, 20.2837



31.5243, 25.6246, 41.6437



4.3172, 1.7367, 22.2984



6.9340, 5.4476, 9.2922



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.4391, 6.4932, 20.2837



24.0476, 11.6201, 36.2263



10.4850, 5.3116, 4.7276



4.8476, 4.7587, 5.8097



12.8015, 6.1850, 19.3250



0.0452, 0.0217, 0.0712

Inverse Universe

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



13.4391, 6.4932, 20.2837



24.0476, 11.6201, 36.2263



9.5956, 17.2585, 9.1558



4.8476, 4.7587, 5.8097



12.8015, 6.1850, 19.3250



0.0452, 0.0217, 0.0712

Previews

White Background



This preview shows how the XYZ color 13.4388, 6.4929, 20.2836 looks on a white background.

Color Contrast Check

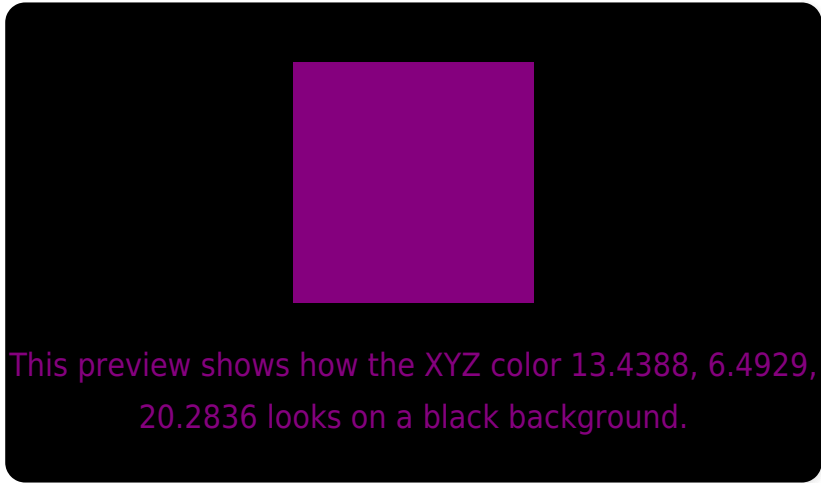
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4388, 6.4929, 20.2836

Background



This preview shows how black text looks on a background with the XYZ color 13.4388, 6.4929, 20.2836.



This preview shows how white text looks on a background with the XYZ color 13.4388, 6.4929,

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

13.4388, 6.4929, 20.2836

Protanopia

8.2153, 7.0982, 31.5089

Deuteranopia

7.2023, 7.0702, 18.1246



Tritanopia

10.3874, 6.9739, 4.1668

Trichromacy



Original Color

13.4388, 6.4929, 20.2836

Protanomaly

7.2300, 4.5960, 26.8916

Deuteranomaly

7.9015, 5.2437, 18.6848

Tritanomaly

11.0177, 6.2793, 8.2208

Monochromacy



Original Color

13.4388, 6.4929, 20.2836

Achromatopsia

3.5063, 3.6889, 4.0173

Achromatomaly

5.5873, 3.5622, 7.9825

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4388, 6.4929, 20.2836 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(133, 0, 126)` looks like.

```
.text, #text, p{  
    color:rgb(133, 0, 126)  
}
```

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(133, 0, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 0, 126) }
```

Border

The CSS property to change the border of an element to XYZ 13.4388, 6.4929, 20.2836 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(133, 0, 126) }
```


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

```
.border{ border-color:rgb(133, 0, 126) }
```

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

Here you see how a box with a 4 pixel rgb(133, 0, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 0, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 0, 126);  
box-shadow:4px 4px 4px 4px rgb(133, 0,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4388, 6.4929, 20.2836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 0, 126) }
```

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

```
.background{ background-color: rgb(133, 0,  
126) }
```

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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