

Converting Colors

XYZ(13.0613, 6.7173, 20.1509)

Have a look what the booklet for
XYZ(13.0613, 6.7173, 20.1509)
contains.

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Color

**XYZ(13.0418, 6.7216,
20.0121)**

Conversions

Conversions Part 1

Format	Color
Hex	81167D
RGB	129, 22, 125
RGB Percent	51%, 9%, 49%
CMY	0.4941, 0.9137, 0.5098
CMYK	0.00, 0.83, 0.03, 0.49
HSL	302°, 71%, 30%
HSV	302°, 83%, 51%
XYZ	13.0418, 6.7216, 20.0121
YIQ	65.7350, 30.7090, 54.7170

Conversions

Conversions Part 2

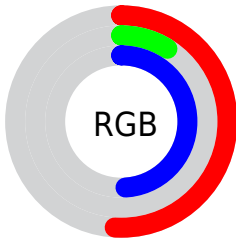
Format	Color
R_{YB}	129, 22, 125
Decimal	8459901
CIE _{Lab}	31.16, 54.60, -32.39
CIE _{LCh}	31, 63.483, 329.317
Yxy	6.7216, 0.3279, 0.1690
Android (android.graphics.Color)	4286649981 (0xFF81167D)
YUV	65.7350, 29.2176, 55.4834
Hunter-Lab	25.9260, 44.4218, -27.6172

Details

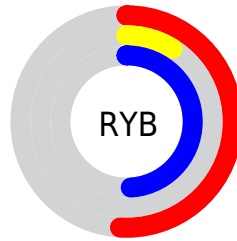
The XYZ color **13.0418, 6.7216, 20.0121** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **8.3679, 15.9459, 3.6145**, and the grayscale version is **5.0909, 5.3560, 5.8327**.

A 20% lighter version of the original color is **30.9859, 19.4135, 44.2335**, and **4.1717, 2.0039, 6.8235** is the 20% darker color. If you saturate the color by 10%, you get **12.8231, 6.3332, 19.7876**, and if you desaturate by 10%, it is **13.3842, 7.3568, 20.2787**.

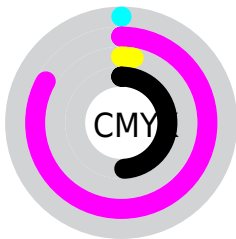
Distribution



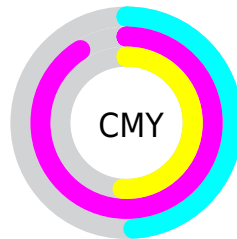
- Red (51%)
- Green (9%)
- Blue (49%)



- Red (51%)
- Yellow (9%)
- Blue (49%)



- Cyan (0%)
- Magenta (83%)
- Yellow (3%)
- Black (49%)



- Cyan (49%)
- Magenta (91%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0418, 6.7216, 20.0121 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 13.0418, 6.7216, 20.0121 by changing the saturation by 10% instead.

■ 13.0418, 6.7216,
20.0121

■ 13.0418, 6.7216,
20.0121

204.8176,
165.3299, 264.5870

■ 7.5345, 3.2886,
12.2197

■ 30.9795, 19.4109,
44.2967

■ 3.8479, 1.2842,
6.7691

■ 44.1407, 29.4360,
61.6260

■ 1.6164, 0.1289,
3.2419

■ 60.5839, 42.4273,
82.9713

■ 0.4031, 0.0000,
1.2194

■ 80.6745, 58.7691,
108.7511

■ 0.0000, 0.0000,
0.0000

■ 104.7778, 78.8459,
139.3841

■ 133.2591,

103.0421, 175.2887

166.4840,
131.7419, 216.8835

13.0418, 6.7216,
20.0121

13.0418, 6.7216,
20.0121

12.8231, 6.3332,
19.7876

13.3842, 7.3568,
20.2787

12.7027, 6.1269,
19.6408

13.8660, 8.2708,
20.5924

14.5013, 9.4914,
20.9580

15.3021, 11.0429,
21.3796

16.2794, 12.9470,
21.8607

■ 17.4431, 15.2239,
22.4047

■ 18.8025, 17.8918,
23.0147

■ 20.3662, 20.9681,
23.6935

■ 22.1423, 24.4689,
24.4438

Harmonies

Analogous

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



9.7901, 6.7216, 34.7449



13.0418, 6.7216, 20.0121



14.4364, 6.7216, 7.5248

Triad

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



13.0418, 6.7216, 20.0121



6.4602, 6.7216, 0.0000



2.4622, 6.7216, 19.3284

Complementary

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



13.0418, 6.7216, 20.0121



8.3679, 15.9459, 3.6145

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.



2.0783, 6.7216, 7.1164



13.0418, 6.7216, 20.0121



3.8834, 6.7216, 0.0000

Square

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



13.0418, 6.7216, 20.0121



9.9552, 6.7216, 0.0000



2.5001, 6.7216, 1.5938



3.7955, 6.7216, 34.1713

Rectangle

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



13.0418, 6.7216, 20.0121



13.8646, 6.7216, 2.9868



2.5001, 6.7216, 1.5938



2.2416, 6.7216, 14.5791

Sweetspot

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



13.0421, 6.7219, 20.0122



30.6519, 26.1170, 39.8526



4.6647, 2.3731, 20.9812



6.7980, 5.6376, 8.9553



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.0421, 6.7219, 20.0122



22.7347, 10.9667, 35.1047



10.5080, 5.7083, 6.6681



4.4914, 4.4097, 5.3924



12.3855, 5.9739, 19.1518



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.0421, 6.7219, 20.0122



22.7347, 10.9667, 35.1047



9.5952, 16.4368, 10.0774



4.4914, 4.4097, 5.3924



12.3855, 5.9739, 19.1518



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.0418, 6.7216, 20.0121 looks on a white background.

Color Contrast Check

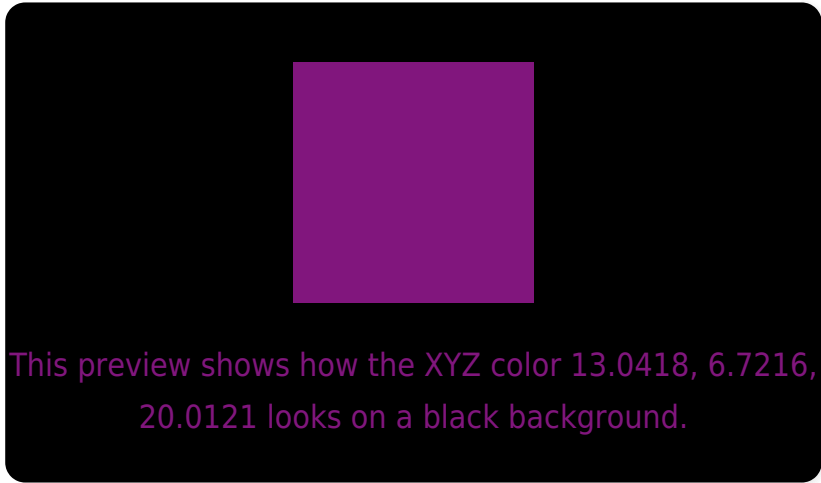
Large Text (above 18pt) WCAG AA ✓ Pass

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

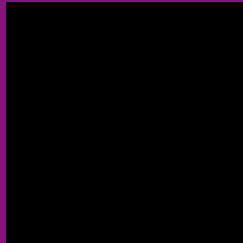
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.0418, 6.7216, 20.0121

Background



This preview shows how black text looks on a background with the XYZ color 13.0418, 6.7216, 20.0121.



This preview shows how white text looks on a background with the XYZ color 13.0418, 6.7216,

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

13.0418, 6.7216, 20.0121

Protanopia

8.1501, 6.9678, 31.4872

Deuteranopia

7.2023, 7.0702, 18.1246



Tritanopia

9.9678, 6.8791, 4.5438

Trichromacy



Original Color

13.0418, 6.7216, 20.0121



Protanomaly

7.4494, 5.2258, 26.6027



Deuteranomaly

8.1736, 5.9143, 18.7999



Tritanomaly

10.7356, 6.5399, 8.4811

Monochromacy



Original Color

13.0418, 6.7216, 20.0121



Achromatopsia

5.1784, 5.4480, 5.9329



Achromatomaly

6.9807, 5.0932, 9.6320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0418, 6.7216, 20.0121 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(129, 22, 125)` looks like.

```
.text, #text, p{  
    color:rgb(129, 22, 125)  
}
```

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(129, 22, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 22, 125) }
```

Border

The CSS property to change the border of an element to XYZ 13.0418, 6.7216, 20.0121 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(129, 22, 125) }
```


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

```
.border{ border-color:rgb(129, 22, 125) }
```

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

Here you see how a box with a 4 pixel rgb(129, 22, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 22, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 22, 125);  
box-shadow:4px 4px 4px 4px rgb(129, 22,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0418, 6.7216, 20.0121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 22, 125) }
```

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

```
.background{ background-color: rgb(129, 22,  
125) }
```

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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