

Converting Colors

XYZ(13.0393, 6.4179, 18.2250)

Have a look what the booklet for
XYZ(13.0393, 6.4179, 18.2250)
contains.

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Color

**XYZ(13.1173, 6.4512,
18.3231)**

Conversions

Conversions Part 1

Format	Color
Hex	850578
RGB	133, 5, 120
RGB Percent	52%, 2%, 47%
CMY	0.4784, 0.9803, 0.5294
CMYK	0.00, 0.96, 0.10, 0.48
HSL	306°, 93%, 27%
HSV	306°, 96%, 52%
XYZ	13.1173, 6.4512, 18.3231
YIQ	56.3820, 39.3730, 62.9010

Conversions

Conversions Part 2

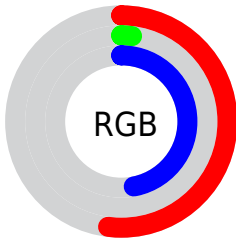
Format	Color
R_{YB}	133, 5, 120
Decimal	8717688
CIE _{Lab}	30.52, 57.86, -30.21
CIE _{LCh}	31, 65.266, 332.431
Yxy	6.4512, 0.3462, 0.1703
Android (android.graphics.Color)	4286907768 (0xFF850578)
YUV	56.3820, 31.3637, 67.1940
Hunter-Lab	25.3992, 47.7368, -24.9926

Details

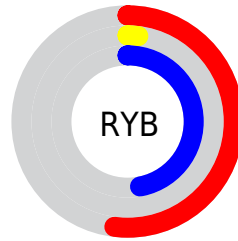
The XYZ color **13.1173, 6.4512, 18.3231** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **8.5597, 16.8513, 3.3744**, and the grayscale version is **3.7665, 3.9626, 4.3153**.

A 20% lighter version of the original color is **31.0452, 18.8681, 41.5408**, and **4.3618, 2.1172, 6.1400** is the 20% darker color. If you saturate the color by 10%, you get **13.0323, 6.3303, 18.1427**, and if you desaturate by 10%, it is **13.3672, 6.8186, 18.8138**.

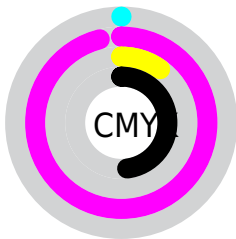
Distribution



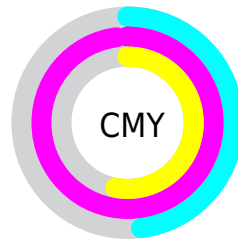
- Red (52%)
- Green (2%)
- Blue (47%)



- Red (52%)
- Yellow (2%)
- Blue (47%)



- Cyan (0%)
- Magenta (96%)
- Yellow (10%)
- Black (48%)





- Cyan (48%)
- Magenta (98%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1173, 6.4512, 18.3231 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 13.1173, 6.4512, 18.3231 by changing the saturation by 10% instead.

 13.1173, 6.4512,
18.3231


 13.1173, 6.4512,
18.3231


205.2905,
163.0224, 254.9829


 7.5869, 3.1213,
11.0104


 31.1139, 18.8603,
41.4085

 3.8814, 1.1954,
5.9596

 44.3108, 28.7084,
58.0182


 1.6352, 0.0579,
2.7521

 60.7939, 41.4980,
78.5640

 0.4152, 0.0000,
0.9695


 80.9287, 57.6135,
103.4644


 0.0000, 0.0000,
0.0000


 105.0803, 77.4393,
133.1379


 133.6143,

101.3598, 168.0032

 166.8959,
129.7593, 208.4787

 13.1173, 6.4512,
18.3231

 13.1173, 6.4512,
18.3231


 13.0323, 6.3303,
18.1427

 13.3672, 6.8186,
18.8138

 13.7357, 7.4216,
19.3498

 14.2495, 8.3135,
19.9400

 14.9244, 9.5255,
20.5896

 15.7739, 11.0848,
21.3033

■ 16.8102, 13.0158,
22.0850

■ 18.0443, 15.3407,
22.9385

■ 19.4865, 18.0798,
23.8672

■ 21.1463, 21.2522,
24.8744

Harmonies

Analogous

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



9.9354, 6.4512, 33.7103



13.1173, 6.4512, 18.3231



14.2691, 6.4512, 6.3217

Triad

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



13.1173, 6.4512, 18.3231



5.8812, 6.4512, 0.0000



2.3395, 6.4512, 20.8157

Complementary

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



13.1173, 6.4512, 18.3231



8.5597, 16.8513, 3.3744

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.



1.8843, 6.4512, 7.7770



13.1173, 6.4512, 18.3231



3.4487, 6.4512, 0.0000

Square

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



13.1173, 6.4512, 18.3231



9.3408, 6.4512, 0.0000



2.2084, 6.4512, 1.7020



3.7573, 6.4512, 35.8225

Rectangle

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



13.1173, 6.4512, 18.3231



13.4974, 6.4512, 2.3028



2.2084, 6.4512, 1.7020



2.0956, 6.4512, 15.8084

Sweetspot

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



13.1175, 6.4515, 18.3232



31.5144, 25.9622, 40.5388



4.5341, 1.9291, 22.3239



6.9193, 5.5088, 9.0078



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.



13.1175, 6.4515, 18.3232



23.3049, 11.3230, 32.3151



10.4463, 5.3830, 4.2567



4.8380, 4.7549, 5.7595



12.4151, 6.0304, 17.2899



0.0445, 0.0215, 0.0676

Inverse Universe

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



13.1175, 6.4515, 18.3232



23.3049, 11.3230, 32.3151



9.9660, 17.4138, 10.7800



4.8380, 4.7549, 5.7595



12.4151, 6.0304, 17.2899



0.0445, 0.0215, 0.0676

Previews

White Background



This preview shows how the XYZ color 13.1173, 6.4512, 18.3231 looks on a white background.

Color Contrast Check

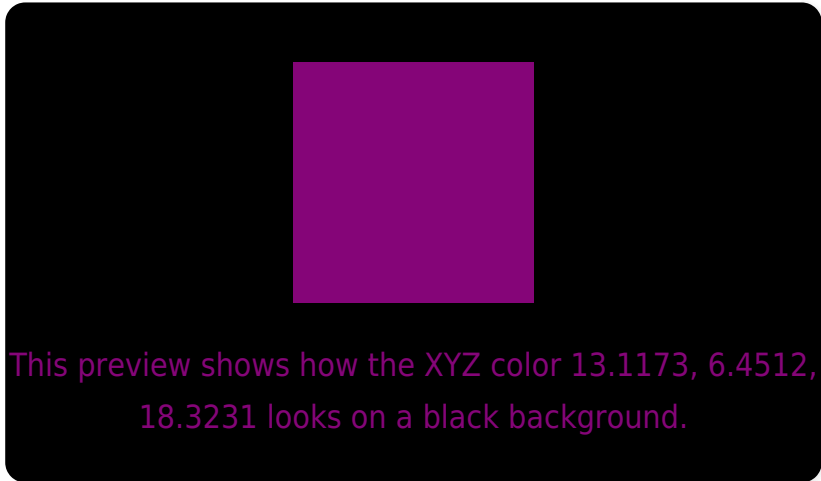
Large Text (above 18pt) WCAG AA ✓ Pass

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

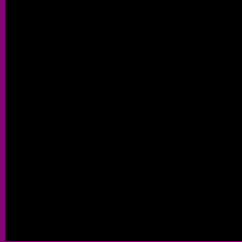
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1173, 6.4512, 18.3231

Background



This preview shows how black text looks on a background with the XYZ color 13.1173, 6.4512, 18.3231.



This preview shows how white text looks on a background with the XYZ color 13.1173, 6.4512, 18.3231.

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

13.1173, 6.4512, 18.3231

Protanopia

8.0671, 6.9346, 31.0503

Deuteranopia

7.1168, 6.9597, 16.5910



Tritanopia

10.1964, 6.6989, 3.7732

Trichromacy



Original Color

13.1173, 6.4512, 18.3231



Protanomaly

7.0836, 4.6654, 25.7265



Deuteranomaly

7.9970, 5.3889, 17.1417



Tritanomaly

10.8398, 6.2082, 7.2836

Monochromacy



Original Color

13.1173, 6.4512, 18.3231



Achromatopsia

3.7589, 3.9546, 4.3066



Achromatomaly

5.7290, 3.7725, 7.8233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1173, 6.4512, 18.3231 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, 5, 120)` looks like.

```
.text, #text, p{  
    color:rgb(133, 5, 120)  
}
```

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, 5, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 5, 120) }
```

Border

The CSS property to change the border of an element to XYZ 13.1173, 6.4512, 18.3231 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, 5, 120) }
```


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

```
.border{ border-color:rgb(133, 5, 120) }
```

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

Here you see how a box with a 4 pixel rgb(133, 5, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 5, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 5, 120);  
box-shadow:4px 4px 4px 4px rgb(133, 5,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1173, 6.4512, 18.3231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 5, 120) }
```

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

```
.background{ background-color: rgb(133, 5,  
120) }
```

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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