

Converting Colors

XYZ(13.4856, 6.5044, 20.8593)

Have a look what the booklet for
XYZ(13.4856, 6.5044, 20.8593)
contains.

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Color

**XYZ(13.5691, 6.5451,
20.9702)**

Conversions

Conversions Part 1

Format	Color
Hex	850080
RGB	133, 0, 128
RGB Percent	52%, 0%, 50%
CMY	0.4784, 0.9999, 0.4980
CMYK	0.00, 1.00, 0.04, 0.48
HSL	302°, 100%, 26%
HSV	302°, 100%, 52%
XYZ	13.5691, 6.5451, 20.9702
YIQ	54.3590, 38.1800, 68.0040

Conversions

Conversions Part 2

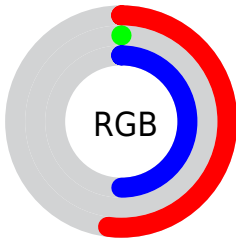
Format	Color
R_{YB}	133, 0, 128
Decimal	8716416
CIE _{Lab}	30.75, 59.82, -34.90
CIE _{LCh}	31, 69.256, 329.741
Yxy	6.5451, 0.3303, 0.1593
Android (android.graphics.Color)	4286906496 (0xFF850080)
YUV	54.3590, 36.3050, 68.9682
Hunter-Lab	25.5834, 49.9031, -30.6905

Details

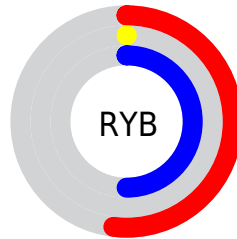
The XYZ color **13.5691, 6.5451, 20.9702** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **8.4152, 16.7862, 2.9406**, and the grayscale version is **3.5050, 3.6875, 4.0157**.

A 20% lighter version of the original color is **31.9582, 19.0484, 45.7084**, and **4.5996, 2.2123, 7.3923** is the 20% darker color. If you saturate the color by 10%, you get **13.5692, 6.5451, 20.9701**, and if you desaturate by 10%, it is **13.7502, 6.8543, 21.1934**.

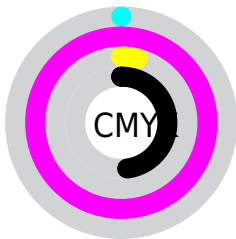
Distribution



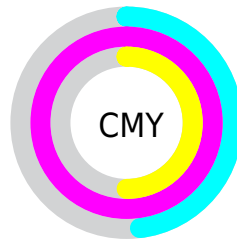
- Red (52%)
- Green (0%)
- Blue (50%)



- Red (52%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (4%)
- Black (48%)



- Cyan (48%)
- Magenta (100%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5691, 6.5451, 20.9702 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 13.5691, 6.5451, 20.9702 by changing the saturation by 10% instead.

13.5691, 6.5451,
20.9702

13.5691, 6.5451,
20.9702

208.0982,
163.8285, 269.8959

7.9013, 3.1793,
12.9112

31.9152, 19.0520,
45.9181

4.0831, 1.2260,
7.2374

45.3241, 28.9620,
63.6440

1.7493, 0.0828,
3.5303

62.0442, 41.8220,
85.4294

0.4868, 0.0000,
1.3714

82.4407, 58.0166,
111.6927

0.0000, 0.0000,
0.1193


106.8789, 77.9302,
142.8524


0.0000, 0.0000,
0.0000


135.7244,

101.9471, 179.3272


 169.3423,
130.4517, 221.5355

 13.5691, 6.5451,
20.9702


 13.5691, 6.5451,
20.9702


 13.5692, 6.5451,
20.9701

 13.7502, 6.8543,
21.1934

 14.0185, 7.3379,
21.4465

 14.4246, 8.0968,
21.7462

 14.9851, 9.1642,
22.0983

 15.7143, 10.5687,
22.5074

■ 16.6248, 12.3356,
22.9777

■ 17.7281, 14.4878,
23.5131

■ 19.0348, 17.0464,
24.1171

■ 20.5544, 20.0308,
24.7929

Harmonies

Analogous

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



9.9764, 6.5451, 37.9371



13.5691, 6.5451, 20.9702



15.0925, 6.5451, 7.2098

Triad

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



13.5691, 6.5451, 20.9702



6.2499, 6.5451, 0.0000



2.1482, 6.5451, 20.6765

Complementary

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



13.5691, 6.5451, 20.9702



8.4152, 16.7862, 2.9406

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.



1.7586, 6.5451, 7.0438



13.5691, 6.5451, 20.9702



3.5505, 6.5451, 0.0000

Square

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



13.5691, 6.5451, 20.9702



10.0453, 6.5451, 0.0000



2.1625, 6.5451, 1.2991



3.5161, 6.5451, 37.6847

Rectangle

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



13.5691, 6.5451, 20.9702



14.4222, 6.5451, 2.5481



2.1625, 6.5451, 1.2991



1.9260, 6.5451, 15.3067

Sweetspot

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



13.5694, 6.5454, 20.9703



31.5989, 25.6544, 42.0367



4.2895, 1.7225, 22.2968



6.9527, 5.4551, 9.3909



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.



13.5694, 6.5454, 20.9703



24.2862, 11.7155, 37.4825



10.5446, 5.3355, 5.0423



4.8505, 4.7599, 5.8252



12.9255, 6.2345, 19.9779



0.0454, 0.0218, 0.0723

Inverse Universe

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



13.5694, 6.5454, 20.9703



24.2862, 11.7155, 37.4825



9.5232, 17.2294, 8.7749



4.8505, 4.7599, 5.8252



12.9255, 6.2345, 19.9779



0.0454, 0.0218, 0.0723

Previews

White Background



This preview shows how the XYZ color 13.5691, 6.5451, 20.9702 looks on a white background.

Color Contrast Check

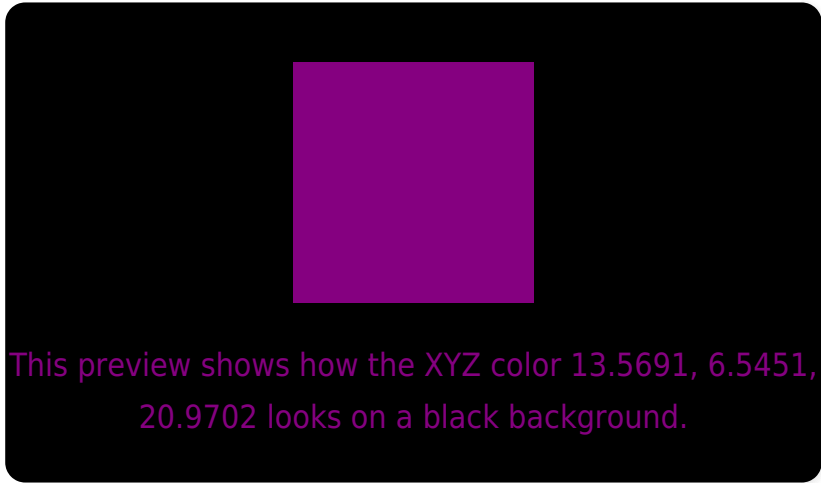
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5691, 6.5451, 20.9702

Background



This preview shows how black text looks on a background with the XYZ color 13.5691, 6.5451, 20.9702.



This preview shows how white text looks on a background with the XYZ color 13.5691, 6.5451,

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

13.5691, 6.5451, 20.9702

Protanopia

8.2153, 7.0982, 31.5089

Deuteranopia

7.2900, 7.2031, 18.7754



Tritanopia

10.2639, 6.9075, 4.2823

Trichromacy



Original Color

13.5691, 6.5451, 20.9702



Protanomaly

7.3068, 4.6267, 27.2960



Deuteranomaly

7.9404, 5.2494, 19.3336



Tritanomaly

10.9038, 6.2163, 8.4098

Monochromacy



Original Color

13.5691, 6.5451, 20.9702



Achromatopsia

3.5063, 3.6889, 4.0173



Achromatomaly

5.6245, 3.5771, 8.1786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5691, 6.5451, 20.9702 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, 128)` looks like.

```
.text, #text, p{  
    color:rgb(133, 0, 128)  
}
```

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, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 0, 128) }
```

Border

The CSS property to change the border of an element to XYZ 13.5691, 6.5451, 20.9702 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, 128) }
```


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

```
.border{ border-color:rgb(133, 0, 128) }
```

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, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 0, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 0, 128);  
box-shadow:4px 4px 4px 4px rgb(133, 0,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5691, 6.5451, 20.9702 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, 128) }
```

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

```
.background{ background-color: rgb(133, 0,  
128) }
```

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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