

Converting Colors

XYZ(12.8042, 6.4262, 8.4858)

Have a look what the booklet for
XYZ(12.8042, 6.4262, 8.4858)
contains.

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Color

**XYZ(12.8507, 6.4488,
8.5501)**

Conversions

Conversions Part 1

Format	Color
Hex	8F0052
RGB	143, 0, 82
RGB Percent	56%, 0%, 32%
CMY	0.4392, 0.9999, 0.6784
CMYK	0.00, 1.00, 0.43, 0.44
HSL	326°, 100%, 28%
HSV	326°, 100%, 56%
XYZ	12.8507, 6.4488, 8.5501
YIQ	52.1050, 58.9060, 55.8180

Conversions

Conversions Part 2

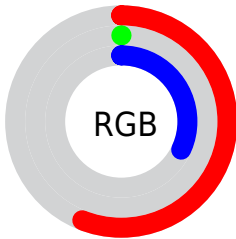
Format	Color
R_{YB}	143, 0, 82
Decimal	9371730
CIE _{Lab}	30.52, 56.12, -5.44
CIE _{LCh}	31, 56.381, 354.461
Yxy	6.4488, 0.4614, 0.2316
Android (android.graphics.Color)	4287561810 (0xFF8F0052)
YUV	52.1050, 14.7382, 79.7149
Hunter-Lab	25.3945, 45.8883, -2.1863

Details

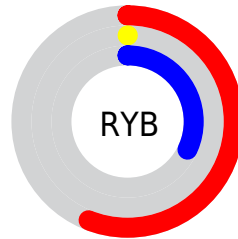
The XYZ color **12.8507, 6.4488, 8.5501** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **10.6654, 19.9821, 7.7117**, and the grayscale version is **3.2555, 3.4251, 3.7299**.

A 20% lighter version of the original color is **30.5667, 18.8213, 23.4946**, and **4.2644, 2.1598, 1.9424** is the 20% darker color. If you saturate the color by 10%, you get **12.8505, 6.4488, 8.5489**, and if you desaturate by 10%, it is **13.2547, 6.8685, 9.8816**.

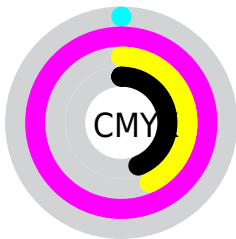
Distribution



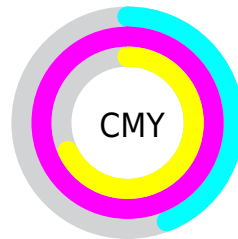
- Red (56%)
- Green (0%)
- Blue (32%)



- Red (56%)
- Yellow (0%)
- Blue (32%)



- Cyan (0%)
- Magenta (100%)
- Yellow (43%)
- Black (44%)




- Cyan (44%)
- Magenta (100%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.8507, 6.4488, 8.5501 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 12.8507, 6.4488, 8.5501 by changing the saturation by 10% instead.


 12.8507, 6.4488,
8.5501


 12.8507, 6.4488,
8.5501


203.6156,
163.0018, 190.0781


 7.4021, 3.1199,
4.3561


 30.6389, 18.8554,
23.5937


 3.7634, 1.1946,
1.8227

 43.7092, 28.7019,
35.2805


 1.5692, 0.0573,
0.4429

 60.0508, 41.4897,
50.3019

 0.3722, 0.0000,
0.0000


 80.0291, 57.6031,
69.0765

 0.0000, 0.0000,
0.0000

 104.0093, 77.4267,
92.0229


 132.3569,

101.3447, 119.5596

 165.4372,
129.7416, 152.1052

 12.8507, 6.4488,
8.5501

 12.8507, 6.4488,
8.5501


 12.8505, 6.4488,
8.5489

 13.2547, 6.8685,
9.8816

 13.7871, 7.5114,
11.3603

 14.5034, 8.4872,
13.0072

 15.4240, 9.8362,
14.8314

 16.5666, 11.5930,
16.8411

■ 17.9468, 13.7881,
19.0438

■ 19.5787, 16.4492,
21.4463

■ 21.4755, 19.6015,
24.0552

■ 23.6491, 23.2686,
26.8763

Harmonies

Analogous

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



11.3730, 6.4488, 19.6252



12.8507, 6.4488, 8.5501



12.1434, 6.4488, 2.5016

Triad

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



12.8507, 6.4488, 8.5501



4.2280, 6.4488, 0.0906



3.5884, 6.4488, 27.2789

Complementary

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



12.8507, 6.4488, 8.5501



10.6654, 19.9821, 7.7117

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.



2.5247, 6.4488, 15.1116



12.8507, 6.4488, 8.5501



2.8112, 6.4488, 1.4523

Square

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



12.8507, 6.4488, 8.5501



6.6421, 6.4488, 0.0000



2.2889, 6.4488, 5.6872



5.6437, 6.4488, 34.4793

Rectangle

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



12.8507, 6.4488, 8.5501



10.6100, 6.4488, 0.9176



2.2889, 6.4488, 5.6872



3.1301, 6.4488, 23.3392

Sweetspot

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



12.8509, 6.4492, 8.5502



34.8600, 29.1247, 38.1187



6.7970, 2.9315, 26.1943



7.7309, 6.2474, 8.3607



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.8509, 6.4492, 8.5502



22.9261, 11.5139, 14.8511



11.3938, 5.8663, 0.8774



5.5303, 5.4726, 6.2905



11.3729, 5.7062, 7.6148



0.1198, 0.0590, 0.1310

Inverse Universe

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



12.8509, 6.4492, 8.5502



22.9261, 11.5139, 14.8511



13.9251, 21.2861, 24.8775



5.5303, 5.4726, 6.2905



11.3729, 5.7062, 7.6148



0.1198, 0.0590, 0.1310

Previews

White Background



This preview shows how the XYZ color 12.8507, 6.4488, 8.5501 looks on a white background.

Color Contrast Check

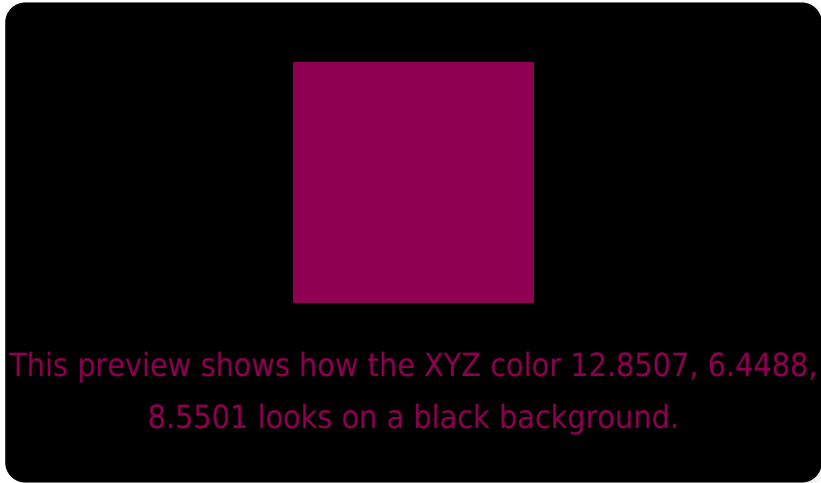
Large Text (above 18pt) WCAG AA ✓ Pass

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

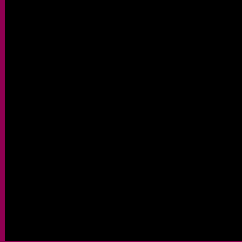
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8507, 6.4488, 8.5501

Background



This preview shows how black text looks on a background with the XYZ color 12.8507, 6.4488, 8.5501.



This preview shows how white text looks on a background with the XYZ color 12.8507, 6.4488,

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

12.8507, 6.4488, 8.5501

Protanopia

7.5224, 7.1354, 18.1203

Deuteranopia

7.1667, 7.0807, 7.8265



Tritanopia

11.6062, 6.7183, 2.1239

Trichromacy



Original Color

12.8507, 6.4488, 8.5501

Protanomaly

7.7828, 5.2266, 13.9632

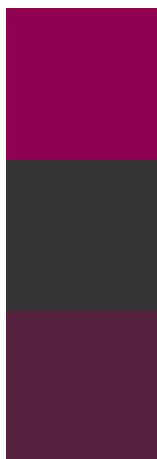
Deuteranomaly

8.0611, 5.4471, 7.8343

Tritanomaly

11.8322, 6.4020, 3.7441

Monochromacy



Original Color

12.8507, 6.4488, 8.5501

Achromatopsia

3.2640, 3.4340, 3.7396

Achromatomaly

5.1874, 3.3779, 5.0812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8507, 6.4488, 8.5501 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(143, 0, 82)` looks like.

```
.text, #text, p{  
    color:rgb(143, 0, 82)  
}
```

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(143, 0, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 0, 82) }
```

Border

The CSS property to change the border of an element to XYZ 12.8507, 6.4488, 8.5501 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(143, 0, 82) }
```


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

```
.border{ border-color:rgb(143, 0, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 0, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 0, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 0, 82);  
box-shadow:4px 4px 4px 4px rgb(143, 0, 82)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.8507, 6.4488, 8.5501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 0, 82) }
```

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

```
.background{ background-color: rgb(143, 0,  
82) }
```

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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