

Converting Colors

XYZ(11.2702, 4.0994, 8.4500)

Have a look what the booklet for
XYZ(11.2702, 4.0994, 8.4500)
contains.

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Color

**XYZ(12.2088, 6.1135,
8.7202)**

Conversions

Conversions Part 1

Format	Color
Hex	8B0053
RGB	139, 0, 83
RGB Percent	55%, 0%, 33%
CMY	0.4549, 0.9999, 0.6745
CMYK	0.00, 1.00, 0.40, 0.45
HSL	324°, 100%, 27%
HSV	324°, 100%, 55%
XYZ	12.2088, 6.1135, 8.7202
YIQ	51.0230, 56.2010, 55.2810

Conversions

Conversions Part 2

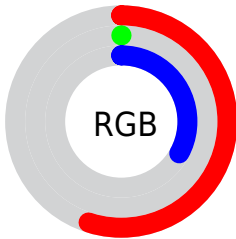
Format	Color
RYB	139, 0, 83
Decimal	9109587
CIELab	29.70, 55.31, -7.42
CIELCh	30, 55.805, 352.358
Yxy	6.1135, 0.4515, 0.2261
Android (android.graphics.Color)	4287299667 (0xFF8B0053)
YUV	51.0230, 15.7647, 77.1558
Hunter-Lab	24.7255, 44.8690, -3.6026

Details

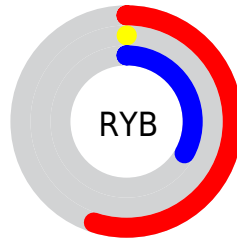
The XYZ color **12.2088, 6.1135, 8.7202** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **9.9470, 18.7510, 6.8384**, and the grayscale version is **3.1280, 3.2909, 3.5838**.

A 20% lighter version of the original color is **29.5082, 18.1710, 23.7819**, and **3.9171, 1.9789, 2.0092** is the 20% darker color. If you saturate the color by 10%, you get **12.2086, 6.1134, 8.7189**, and if you desaturate by 10%, it is **12.5898, 6.5154, 9.9576**.

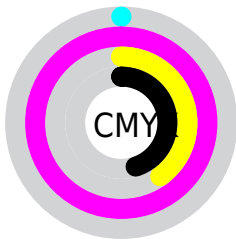
Distribution



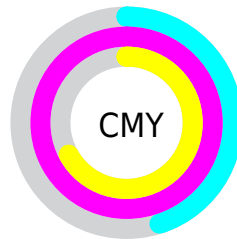
- Red (55%)
- Green (0%)
- Blue (33%)



- Red (55%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (45%)



- Cyan (45%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2088, 6.1135, 8.7202 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 12.2088, 6.1135, 8.7202 by changing the saturation by 10% instead.

12.2088, 6.1135,
8.7202

12.2088, 6.1135,
8.7202

199.5245,
160.0800, 191.4172

6.9593, 2.9142,
4.4648

29.4884, 18.1662,
23.9278

3.4827, 1.0871,
1.8837

42.2491, 27.7883,
35.7170

1.4139, 0.0000,
0.4823

58.2444, 40.3203,
50.8546

0.2661, 0.0000,
0.0000


77.8394, 56.1463,
69.7592


0.0000, 0.0000,
0.0000

101.3995, 75.6509,
92.8492


129.2902, 99.2185,


120.5431

 161.8768,
127.2334, 153.2597


 12.2088, 6.1135,
8.7202


 12.2088, 6.1135,
8.7202


 12.2086, 6.1134,
8.7189

 12.5898, 6.5154,
9.9576

 13.0878, 7.1225,
11.3221

 13.7561, 8.0411,
12.8335

 14.6136, 9.3085,
14.4999

 15.6769, 10.9567,
16.3285

■ 16.9603, 13.0144,
18.3259

■ 18.4770, 15.5071,
20.4982

■ 20.2390, 18.4584,
22.8510

■ 22.2575, 21.8903,
25.3897

Harmonies

Analogous

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



10.6644, 6.1135, 19.5703



12.2088, 6.1135, 8.7202



11.6795, 6.1135, 2.5956

Triad

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



12.2088, 6.1135, 8.7202



4.1272, 6.1135, 0.0000



3.2862, 6.1135, 25.3128

Complementary

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



12.2088, 6.1135, 8.7202



9.9470, 18.7510, 6.8384

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.



2.3354, 6.1135, 13.6169



12.2088, 6.1135, 8.7202



2.7117, 6.1135, 1.2161

Square

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



12.2088, 6.1135, 8.7202



6.4925, 6.1135, 0.0000



2.1616, 6.1135, 4.9472



5.1784, 6.1135, 32.8193

Rectangle

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



12.2088, 6.1135, 8.7202



10.2776, 6.1135, 0.9510



2.1616, 6.1135, 4.9472



2.8719, 6.1135, 21.4579

Sweetspot

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



12.2090, 6.1139, 8.7203



32.8953, 27.4491, 36.4406



6.2695, 2.6940, 24.6156



7.3375, 5.9246, 8.0559



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.2090, 6.1139, 8.7203



21.7799, 10.9147, 15.1744



10.7263, 5.5208, 0.9127



5.1499, 5.0954, 5.8781



11.0274, 5.5211, 7.9146



0.0805, 0.0396, 0.0908

Inverse Universe

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



12.2090, 6.1139, 8.7203



21.7799, 10.9147, 15.1744



12.9410, 19.9486, 22.6045



5.1499, 5.0954, 5.8781



11.0274, 5.5211, 7.9146



0.0805, 0.0396, 0.0908

Previews

White Background



This preview shows how the XYZ color 12.2088, 6.1135, 8.7202 looks on a white background.

Color Contrast Check

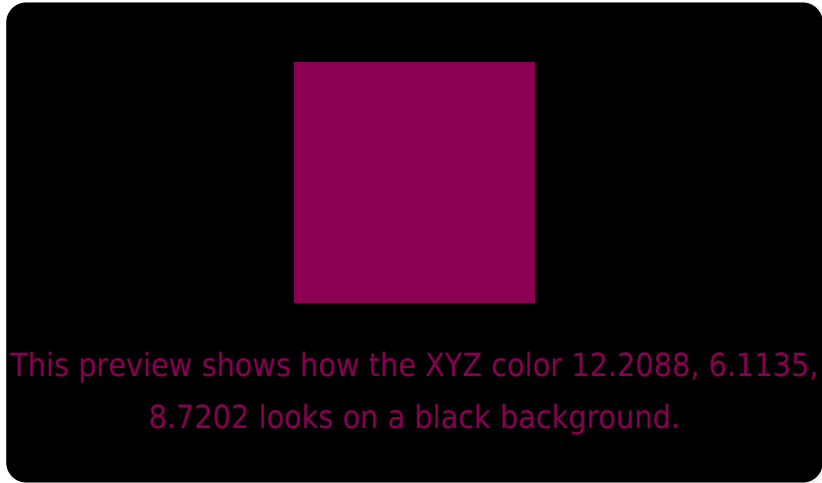
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.2088, 6.1135, 8.7202

Background



This preview shows how black text looks on a background with the XYZ color 12.2088, 6.1135, 8.7202.



This preview shows how white text looks on a background with the XYZ color 12.2088, 6.1135,

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

12.2088, 6.1135, 8.7202

Protanopia

7.2227, 6.7789, 18.3805

Deuteranopia

6.8172, 6.7046, 7.9560



Tritanopia

10.9859, 6.4374, 2.1769

Trichromacy



Original Color

12.2088, 6.1135, 8.7202

Protanomaly

7.4163, 4.9730, 14.2047

Deuteranomaly

7.7165, 5.2080, 7.9957

Tritanomaly

11.2045, 6.1026, 3.8362

Monochromacy



Original Color

12.2088, 6.1135, 8.7202

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

4.9810, 3.2309, 5.0637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2088, 6.1135, 8.7202 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(139, 0, 83)` looks like.

```
.text, #text, p{  
    color:rgb(139, 0, 83)  
}
```

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(139, 0, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 0, 83) }
```

Border

The CSS property to change the border of an element to XYZ 12.2088, 6.1135, 8.7202 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(139, 0, 83) }
```


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

```
.border{ border-color:rgb(139, 0, 83) }
```

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

Here you see how a box with a 4 pixel rgb(139, 0, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 0, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 0, 83);  
box-shadow:4px 4px 4px 4px rgb(139, 0, 83)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.2088, 6.1135, 8.7202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 0, 83) }
```

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

```
.background{ background-color: rgb(139, 0,  
83) }
```

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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