

Converting Colors

XYZ(11.7875, 5.1400, 5.1249)

Have a look what the booklet for
XYZ(11.7875, 5.1400, 5.1249)
contains.

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Color

**XYZ(12.3988, 6.2882,
5.2629)**

Conversions

Conversions Part 1

Format	Color
Hex	90003F
RGB	144, 0, 63
RGB Percent	56%, 0%, 25%
CMY	0.4353, 0.9999, 0.7529
CMYK	0.00, 1.00, 0.56, 0.44
HSL	334°, 100%, 28%
HSV	334°, 100%, 56%
XYZ	12.3988, 6.2882, 5.2629
YIQ	50.2380, 65.6010, 50.1210

Conversions

Conversions Part 2

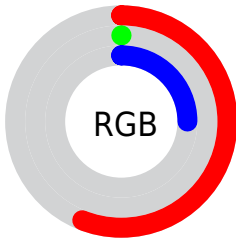
Format	Color
RYB	144, 0, 63
Decimal	9437247
CIELab	30.13, 54.75, 6.68
CIELCh	30, 55.158, 6.954
Yxy	6.2882, 0.5177, 0.2626
Android (android.graphics.Color)	4287627327 (0xFF90003F)
YUV	50.2380, 6.2917, 82.2293
Hunter-Lab	25.0763, 44.3746, 5.1099

Details

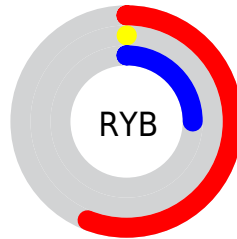
The XYZ color **12.3988, 6.2882, 5.2629** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **11.4594, 20.5409, 11.1493**, and the grayscale version is **3.0479, 3.2066, 3.4920**.

A 20% lighter version of the original color is **29.7604, 18.4570, 16.7459**, and **4.0658, 2.0804, 0.8967** is the 20% darker color. If you saturate the color by 10%, you get **12.3984, 6.2880, 5.2612**, and if you desaturate by 10%, it is **12.8049, 6.7110, 6.5988**.

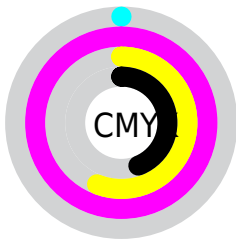
Distribution



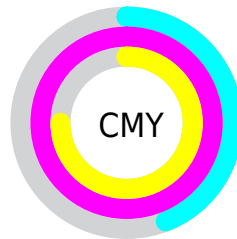
- Red (56%)
- Green (0%)
- Blue (25%)



- Red (56%)
- Yellow (0%)
- Blue (25%)



- Cyan (0%)
- Magenta (100%)
- Yellow (56%)
- Black (44%)





- Cyan (44%)
- Magenta (100%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3988, 6.2882, 5.2629 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 12.3988, 6.2882, 5.2629 by changing the saturation by 10% instead.


 12.3988, 6.2882,
5.2629


 12.3988, 6.2882,
5.2629


200.7443,
161.6109, 161.3704


 7.0900, 3.0211,
2.3409


 29.8300, 18.5262,
16.8311


 3.5653, 1.1428,
0.7540

 42.6831, 28.2659,
26.3143


 1.4593, 0.0142,
0.0000

 58.7817, 40.9320,
38.8218

 0.2979, 0.0000,
0.0000


 78.4911, 56.9087,
54.7719


 0.0000, 0.0000,
0.0000

 102.1767, 76.5806,
74.5833


 130.2039,


100.3320, 98.6745


 162.9380,
128.5473, 127.4640


 12.3988, 6.2882,
5.2629

 12.3988, 6.2882,
5.2629


 12.3984, 6.2880,
5.2612

 12.8049, 6.7110,
6.5988

 13.3552, 7.3667,
8.1538

 14.1062, 8.3662,
9.9533

 15.0795, 9.7508,
12.0105

 16.2938, 11.5561,
14.3372

■ 17.7657, 13.8132,
16.9445

■ 19.5102, 16.5507,
19.8428

■ 21.5411, 19.7945,
23.0416

■ 23.8712, 23.5686,
26.5501

Harmonies

Analogous

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



11.8218, 6.2882, 14.0748



12.3988, 6.2882, 5.2629



10.8980, 6.2882, 1.3572

Triad

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



12.3988, 6.2882, 5.2629



3.4574, 6.2882, 0.5500



4.2333, 6.2882, 30.1008

Complementary

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



12.3988, 6.2882, 5.2629



11.4594, 20.5409, 11.1493

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.



2.8179, 6.2882, 19.4776



12.3988, 6.2882, 5.2629



2.4686, 6.2882, 2.6471

Square

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



12.3988, 6.2882, 5.2629



5.3946, 6.2882, 0.0000



2.2741, 6.2882, 8.7203



6.5994, 6.2882, 32.9567

Rectangle

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



12.3988, 6.2882, 5.2629



9.1203, 6.2882, 0.3992



2.2741, 6.2882, 8.7203



3.6539, 6.2882, 27.0749

Sweetspot

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



12.3990, 6.2886, 5.2630



34.2034, 28.8620, 34.6611



8.2761, 3.6853, 26.6605



7.5664, 6.1816, 7.4944



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.



12.3990, 6.2886, 5.2630



21.7874, 11.0584, 8.8548



11.5800, 6.0860, 0.5650



5.5007, 5.4608, 6.1348



10.8083, 5.4803, 4.6419



0.1141, 0.0567, 0.1010

Inverse Universe

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



12.3990, 6.2886, 5.2630



21.7874, 11.0584, 8.8548



13.9516, 19.8484, 29.4812



5.5007, 5.4608, 6.1348



10.8083, 5.4803, 4.6419



0.1141, 0.0567, 0.1010

Previews

White Background



This preview shows how the XYZ color 12.3988, 6.2882, 5.2629 looks on a white background.

Color Contrast Check

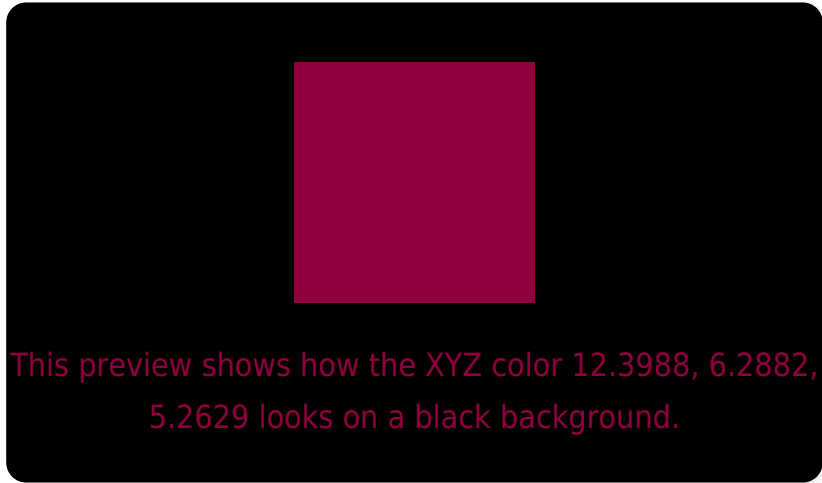
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3988, 6.2882, 5.2629

Background



This preview shows how black text looks on a background with the XYZ color 12.3988, 6.2882, 5.2629.



This preview shows how white text looks on a background with the XYZ color 12.3988, 6.2882, 5.2629.

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

12.3988, 6.2882, 5.2629

Protanopia

6.9063, 6.9724, 11.1070

Deuteranopia

6.9222, 6.8281, 4.8240



Tritanopia

11.6678, 6.5120, 1.5061

Trichromacy



Original Color

12.3988, 6.2882, 5.2629

Protanomaly

7.4315, 5.1685, 8.3905

Deuteranomaly

7.9121, 5.3807, 4.7592

Tritanomaly

11.8628, 6.3502, 2.4342

Monochromacy



Original Color

12.3988, 6.2882, 5.2629

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

4.8623, 3.1937, 3.9746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3988, 6.2882, 5.2629 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(144, 0, 63)` looks like.

```
.text, #text, p{  
    color:rgb(144, 0, 63)  
}
```

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(144, 0, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 0, 63) }
```

Border

The CSS property to change the border of an element to XYZ 12.3988, 6.2882, 5.2629 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(144, 0, 63) }
```


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

```
.border{ border-color:rgb(144, 0, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 0, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 0, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 0, 63);  
box-shadow:4px 4px 4px 4px rgb(144, 0, 63)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.3988, 6.2882, 5.2629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 0, 63) }
```

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

```
.background{ background-color: rgb(144, 0,  
63) }
```

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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