

Converting Colors

XYZ(12.4144, 6.2703, 6.4330)

Have a look what the booklet for
XYZ(12.4144, 6.2703, 6.4330)
contains.

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Color

**XYZ(12.4332, 6.2818,
6.3516)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 8F0046 |
| RGB | 143, 0, 70 |
| RGB Percent | 56%, 0%, 27% |
| CMY | 0.4392, 0.9999, 0.7255 |
| CMYK | 0.00, 1.00, 0.51, 0.44 |
| HSL | 331°, 100%, 28% |
| HSV | 331°, 100%, 56% |
| XYZ | 12.4332, 6.2818, 6.3516 |
| YIQ | 50.7370, 62.7580, 52.0860 |

Conversions

Conversions Part 2

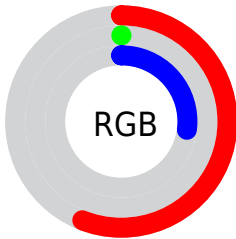
| Format | Color |
|-------------------------------------|-----------------------------|
| RYB | 143, 0, 70 |
| Decimal | 9371718 |
| CIELab | 30.11, 55.05, 1.94 |
| CIElCh | 30, 55.089, 2.017 |
| Yxy | 6.2818, 0.4960, 0.2506 |
| Android (android.graphics.Color) | 4287561798 (0xFF8F0046) |
| YUV | 50.7370, 9.4967, 80.9147 |
| Hunter-Lab | 25.0635, 44.6869, 2.5192 |

Details

The XYZ color **12.4332, 6.2818, 6.3516** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **11.0257, 20.1263, 9.6096**, and the grayscale version is **3.1014, 3.2629, 3.5533**.

A 20% lighter version of the original color is **29.9445, 18.4993, 19.1320**, and **4.0356, 2.0576, 1.2214** is the 20% darker color. If you saturate the color by 10%, you get **12.4330, 6.2817, 6.3503**, and if you desaturate by 10%, it is **12.8392, 6.7024, 7.6940**.

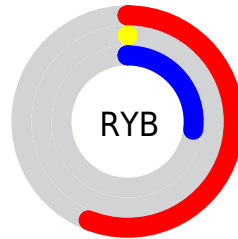
Distribution



Red (56%)

Green (0%)

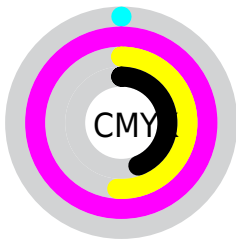
Blue (27%)



Red (56%)

Yellow (0%)

Blue (27%)

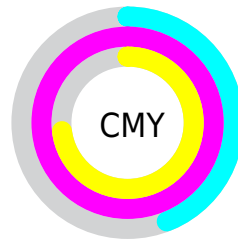


Cyan (0%)

Magenta (100%)

Yellow (51%)

Black (44%)



Cyan (44%)


Magenta (100%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.4332, 6.2818, 6.3516 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 12.4332, 6.2818, 6.3516 by changing the saturation by 10% instead.


 12.4332, 6.2818,
6.3516


 12.4332, 6.2818,
6.3516


200.9644,
161.5551, 171.5829

 7.1137, 3.0172,
2.9878


 29.8917, 18.5131,
19.1465

 3.5803, 1.1407,
1.0884

 42.7615, 28.2485,
29.4148


 1.4675, 0.0125,
0.0000

 58.8787, 40.9096,
42.8216

 0.3036, 0.0000,
0.0000


 78.6088, 56.8809,
59.7855

 0.0000, 0.0000,
0.0000

 102.3170, 76.5467,
80.7250


 130.3688,

100.2914, 106.0587

 163.1294,
128.4994, 136.2052


 12.4332, 6.2818,
6.3516

 12.4332, 6.2818,
6.3516


 12.4330, 6.2817,
6.3503

 12.8392, 6.7024,
7.6940

 13.3816, 7.3492,
9.2249

 14.1160, 8.3322,
10.9672

 15.0634, 9.6920,
12.9322

 16.2417, 11.4631,
15.1301

■ 17.6669, 13.6762,
17.5700

■ 19.3536, 16.3592,
20.2607

■ 21.3151, 19.5374,
23.2103

■ 23.5636, 23.2345,
26.4263

Harmonies

Analogous

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



11.5153, 6.2818, 15.9151



12.4332, 6.2818, 6.3516



11.2467, 6.2818, 1.7319

Triad

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



12.4332, 6.2818, 6.3516



3.7065, 6.2818, 0.3642



3.9311, 6.2818, 28.6450

Complementary

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



12.4332, 6.2818, 6.3516



11.0257, 20.1263, 9.6096

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.



2.6730, 6.2818, 17.4857



12.4332, 6.2818, 6.3516



2.5721, 6.2818, 2.1024

Square

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



12.4332, 6.2818, 6.3516



5.7977, 6.2818, 0.0000



2.2566, 6.2818, 7.3524



6.1471, 6.2818, 33.1594

Rectangle

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



12.4332, 6.2818, 6.3516



9.5768, 6.2818, 0.5941



2.2566, 6.2818, 7.3524



3.4069, 6.2818, 25.2806

Sweetspot

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



12.4334, 6.2822, 6.3517



34.4499, 28.9606, 35.9592



7.5940, 3.3424, 26.2315



7.6280, 6.2063, 7.8187



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.



12.4334, 6.2822, 6.3517



22.1794, 11.2152, 10.9188



11.3279, 5.8400, 0.5306



5.5120, 5.4653, 6.1941



11.0036, 5.5585, 5.6705



0.1163, 0.0576, 0.1125

Inverse Universe

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



12.4334, 6.2822, 6.3517



22.1794, 11.2152, 10.9188



14.7806, 21.6282, 29.3822



5.5120, 5.4653, 6.1941



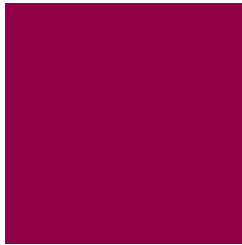
11.0036, 5.5585, 5.6705



0.1163, 0.0576, 0.1125

Previews

White Background



This preview shows how the XYZ color 12.4332, 6.2818, 6.3516 looks on a white background.

Color Contrast Check

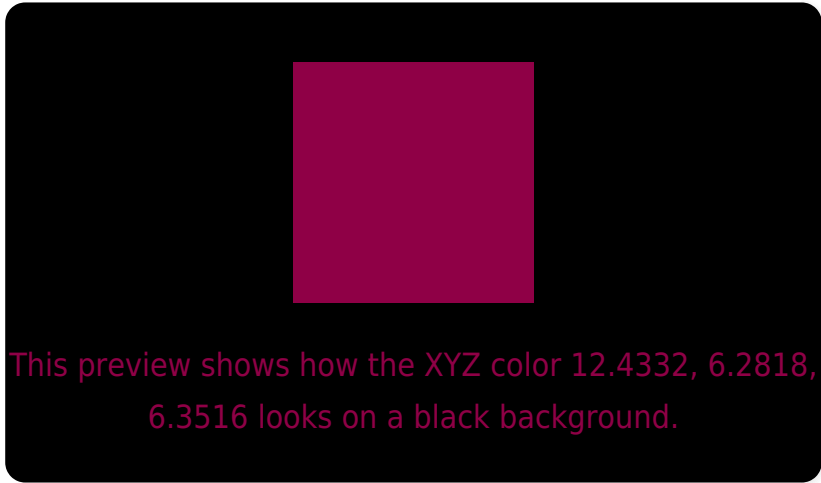
Large Text (above 18pt) WCAG AA ✓ Pass

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

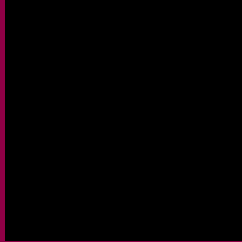
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4332, 6.2818, 6.3516

Background



This preview shows how black text looks on a background with the XYZ color 12.4332, 6.2818, 6.3516.



This preview shows how white text looks on a background with the XYZ color 12.4332, 6.2818,

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

12.4332, 6.2818, 6.3516

Protanopia

6.9783, 6.8629, 13.2688

Deuteranopia

6.9250, 6.8079, 5.7996



Tritanopia

11.6094, 6.5771, 1.7562

Trichromacy



Original Color

12.4332, 6.2818, 6.3516

Protanomaly

7.4386, 5.0719, 10.2598

Deuteranomaly

7.8656, 5.3343, 5.7693

Tritanomaly

11.8077, 6.3578, 2.8903

Monochromacy



Original Color

12.4332, 6.2818, 6.3516

Achromatopsia

3.1466, 3.3105, 3.6051

Achromatomaly

4.9364, 3.2233, 4.3650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4332, 6.2818, 6.3516 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, 70)` looks like.

```
.text, #text, p{  
    color:rgb(143, 0, 70)  
}
```

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, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 0, 70) }
```

Border

The CSS property to change the border of an element to XYZ 12.4332, 6.2818, 6.3516 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, 70) }
```


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

```
.border{ border-color:rgb(143, 0, 70) }
```

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, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 0, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 0, 70);  
box-shadow:4px 4px 4px 4px rgb(143, 0, 70)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.4332, 6.2818, 6.3516 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, 70) }
```

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

```
.background{ background-color: rgb(143, 0,  
70) }
```

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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