

Converting Colors

XYZ(12.7273, 6.5869, 3.4260)

Have a look what the booklet for
XYZ(12.7273, 6.5869, 3.4260)
contains.

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Color

**XYZ(12.8005, 6.6178,
3.3990)**

Conversions

Conversions Part 1

Format	Color
Hex	940530
RGB	148, 5, 48
RGB Percent	58%, 2%, 19%
CMY	0.4196, 0.9803, 0.8118
CMYK	0.00, 0.97, 0.68, 0.42
HSL	342°, 93%, 30%
HSV	342°, 97%, 58%
XYZ	12.8005, 6.6178, 3.3990
YIQ	52.6590, 71.4250, 43.6890

Conversions

Conversions Part 2

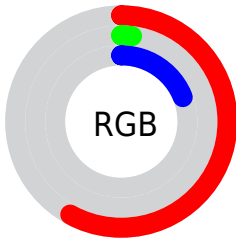
Format	Color
R_{YB}	148, 5, 48
Decimal	9700656
CIE _{Lab}	30.92, 54.05, 17.92
CIE _{LCh}	31, 56.942, 18.347
Yxy	6.6178, 0.5610, 0.2900
Android (android.graphics.Color)	4287890736 (0xFF940530)
YUV	52.6590, -2.2969, 83.6141
Hunter-Lab	25.7251, 43.8006, 10.1737

Details

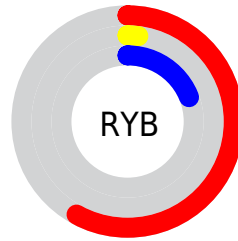
The XYZ color **12.8005, 6.6178, 3.3990** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **13.2034, 22.2324, 16.9648**, and the grayscale version is **3.3405, 3.5145, 3.8273**.

A 20% lighter version of the original color is **30.4816, 19.1156, 12.6728**, and **4.2219, 2.1759, 0.2262** is the 20% darker color. If you saturate the color by 10%, you get **12.6766, 6.4814, 3.0144**, and if you desaturate by 10%, it is **13.2323, 7.0989, 4.7228**.

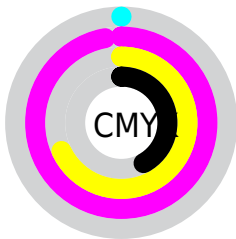
Distribution



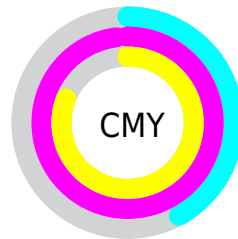
- Red (58%)
- Green (2%)
- Blue (19%)



- Red (58%)
- Yellow (2%)
- Blue (19%)



- Cyan (0%)
- Magenta (97%)
- Yellow (68%)
- Black (42%)




- Cyan (42%)
- Magenta (98%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.8005, 6.6178, 3.3990 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 12.8005, 6.6178, 3.3990 by changing the saturation by 10% instead.

 12.8005, 6.6178,
3.3990

 12.8005, 6.6178,
3.3990


203.2987,
164.4490, 141.2907


 7.3674, 3.2242,
1.3018


 30.5493, 19.2001,
12.5981


 3.7413, 1.2499,
0.0633

 43.5956, 29.1576,
20.5370


 1.5568, 0.1019,
0.0000

 59.9104, 42.0719,
31.2603

 0.3640, 0.0000,
0.0000

 79.8590, 58.3274,
45.1865

 0.0000, 0.0000,
0.0000

 103.8068, 78.3085,
62.7341

 132.1191,

102.3995, 84.3216

165.1613,
130.9849, 110.3676

12.8005, 6.6178,
3.3990

12.8005, 6.6178,
3.3990

12.6766, 6.4814,
3.0144

13.2323, 7.0989,
4.7228

13.8675, 7.9016,
6.3761

14.7418, 9.0929,
8.3854

15.8786, 10.7154,
10.7717

17.2984, 12.8058,
13.5545

■ 19.0195, 15.3971,
16.7516

■ 21.0586, 18.5190,
20.3796

■ 23.4313, 22.1992,
24.4544

■ 26.1520, 26.4633,
28.9908

Harmonies

Analogous

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



13.0601, 6.6178, 10.7366



12.8005, 6.6178, 3.3990



10.5230, 6.6178, 0.7526

Triad

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



12.8005, 6.6178, 3.3990



3.0969, 6.6178, 1.0861



5.2768, 6.6178, 34.7413

Complementary

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



12.8005, 6.6178, 3.3990



13.2034, 22.2324, 16.9648

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.



3.3785, 6.6178, 25.6019



12.8005, 6.6178, 3.3990



2.3896, 6.6178, 4.5486

Square

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



12.8005, 6.6178, 3.3990



4.7615, 6.6178, 0.0000



2.4748, 6.6178, 13.1346



8.1149, 6.6178, 33.4454

Rectangle

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



12.8005, 6.6178, 3.3990



8.4611, 6.6178, 0.0271



2.4748, 6.6178, 13.1346



4.5263, 6.6178, 32.6169

Sweetspot

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



12.8007, 6.6182, 3.3991



36.0283, 30.9394, 33.9767



10.9615, 5.1142, 28.4262



7.9044, 6.5727, 7.1868



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



12.8007, 6.6182, 3.3991



22.2996, 11.4091, 4.9624



12.7362, 7.2990, 0.8817



5.8683, 5.8424, 6.4126



10.8388, 5.5406, 2.6322



0.1445, 0.0725, 0.0944

Inverse Universe

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



12.8007, 6.6182, 3.3991



22.2996, 11.4091, 4.9624



12.3414, 16.0372, 30.4619



5.8683, 5.8424, 6.4126



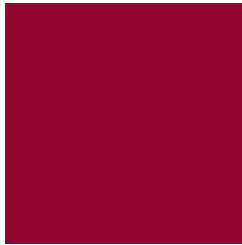
10.8388, 5.5406, 2.6322



0.1445, 0.0725, 0.0944

Previews

White Background



This preview shows how the XYZ color 12.8005, 6.6178, 3.3990 looks on a white background.

Color Contrast Check

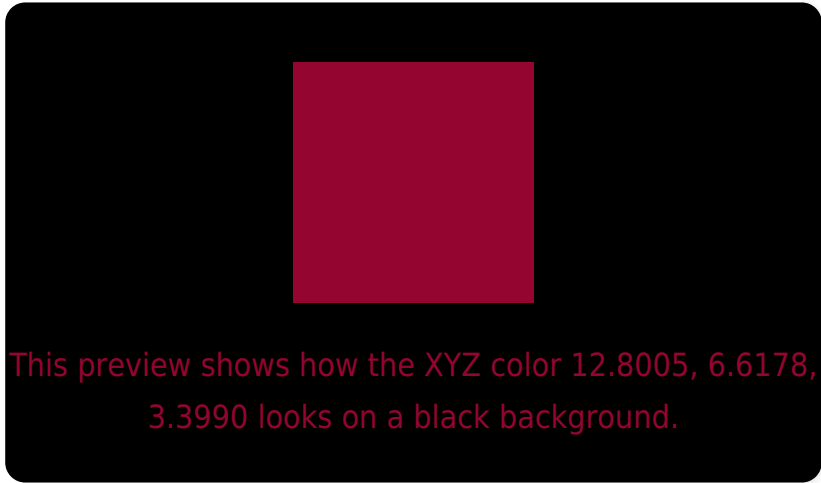
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8005, 6.6178, 3.3990

Background



This preview shows how black text looks on a background with the XYZ color 12.8005, 6.6178, 3.3990.



This preview shows how white text looks on a background with the XYZ color 12.8005, 6.6178,

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

12.8005, 6.6178, 3.3990

Protanopia

6.7953, 7.1068, 6.9748

Deuteranopia

7.2318, 7.1220, 3.0913



Tritanopia

12.3840, 6.7438, 1.1793

Trichromacy



Original Color

12.8005, 6.6178, 3.3990

Protanomaly

7.6313, 5.5237, 5.3666

Deuteranomaly

8.3216, 5.8065, 3.0650

Tritanomaly

12.4130, 6.6285, 1.7238

Monochromacy



Original Color

12.8005, 6.6178, 3.3990

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.2529, 3.5755, 3.5452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8005, 6.6178, 3.3990 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(148, 5, 48)` looks like.

```
.text, #text, p{  
    color:rgb(148, 5, 48)  
}
```

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(148, 5, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 5, 48) }
```

Border

The CSS property to change the border of an element to XYZ 12.8005, 6.6178, 3.3990 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(148, 5, 48) }
```


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

```
.border{ border-color:rgb(148, 5, 48) }
```

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

Here you see how a box with a 4 pixel rgb(148, 5, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 5, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 5, 48);  
box-shadow:4px 4px 4px 4px rgb(148, 5, 48)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.8005, 6.6178, 3.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 5, 48) }
```

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

```
.background{ background-color: rgb(148, 5,  
48) }
```

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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