

Converting Colors

XYZ(13.3533, 6.8593, 1.7543)

Have a look what the booklet for
XYZ(13.3533, 6.8593, 1.7543)
contains.

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Color

**XYZ(13.3586, 6.8610,
1.7826)**

Conversions

Conversions Part 1

Format	Color
Hex	99001D
RGB	153, 0, 29
RGB Percent	60%, 0%, 11%
CMY	0.4000, 0.9999, 0.8863
CMYK	0.00, 1.00, 0.81, 0.40
HSL	349°, 100%, 30%
HSV	349°, 100%, 60%
XYZ	13.3586, 6.8610, 1.7826
YIQ	49.0530, 81.8790, 41.4550

Conversions

Conversions Part 2

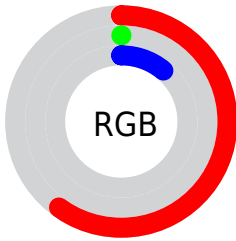
Format	Color
R_{YB}	153, 0, 29
Decimal	10027037
CIE _{Lab}	31.49, 55.27, 31.09
CIE _{LCh}	31, 63.417, 29.359
Yxy	6.8610, 0.6071, 0.3118
Android (android.graphics.Color)	4288217117 (0xFF99001D)
YUV	49.0530, -9.8861, 91.1615
Hunter-Lab	26.1935, 45.1957, 14.3005

Details

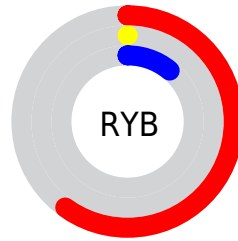
The XYZ color **13.3586, 6.8610, 1.7826** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **15.0309, 24.2382, 22.9624**, and the grayscale version is **2.9308, 3.0834, 3.3579**.

A 20% lighter version of the original color is **31.6095, 19.6932, 8.4385**, and **4.5142, 2.3272, 0.2113** is the 20% darker color. If you saturate the color by 10%, you get **13.3583, 6.8608, 1.7814**, and if you desaturate by 10%, it is **13.7194, 7.2860, 2.8180**.

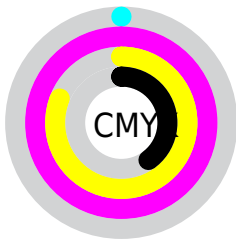
Distribution



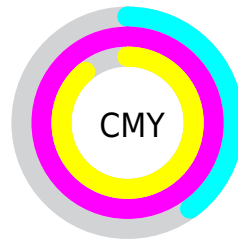
- Red (60%)
- Green (0%)
- Blue (11%)



- Red (60%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (81%)
- Black (40%)



- Cyan (40%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3586, 6.8610, 1.7826 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 13.3586, 6.8610, 1.7826 by changing the saturation by 10% instead.

■ 13.3586, 6.8610,
1.7826

■ 13.3586, 6.8610,
1.7826

206.7948,
166.5037, 118.9041

■ 7.7546, 3.3753,
0.4164

■ 31.5424, 19.6930,
8.4374

■ 3.9888, 1.3307,
0.0000

■ 44.8530, 29.8082,
14.6604

■ 1.6958, 0.1648,
0.0000

■ 61.4631, 42.9019,
23.3718

■ 0.4536, 0.0000,
0.0000


■ 81.7381, 59.3587,
34.9902


■ 0.0000, 0.0000,
0.0000


■ 106.0435, 79.5628,
49.9341


■ 134.7444,

103.8988, 68.6220

 168.2064,
132.7509, 91.4725


 13.3586, 6.8610,
1.7826


 13.3586, 6.8610,
1.7826


 13.3583, 6.8608,
1.7814

 13.7194, 7.2860,
2.8180

 14.2782, 7.9971,
4.2569

 15.1001, 9.1160,
6.1497

 16.2144, 10.6923,
8.5316

 17.6460, 12.7689,
11.4341

■ 19.4174, 15.3833,
14.8862

■ 21.5487, 18.5698,
18.9144

■ 24.0586, 22.3594,
23.5438

■ 26.9646, 26.7813,
28.7979

Harmonies

Analogous

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



14.6534, 6.8610, 7.6662



13.3586, 6.8610, 1.7826



10.1236, 6.8610, 0.0000

Triad

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



13.3586, 6.8610, 1.7826



2.5729, 6.8610, 1.6564



6.4537, 6.8610, 41.7416

Complementary

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



13.3586, 6.8610, 1.7826



15.0309, 24.2382, 22.9624

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.



3.8942, 6.8610, 34.5689



13.3586, 6.8610, 1.7826



2.1442, 6.8610, 7.2781

Square

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



13.3586, 6.8610, 1.7826



3.9780, 6.8610, 0.0000



2.5366, 6.8610, 19.6221



9.9671, 6.8610, 35.1105

Rectangle

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



13.3586, 6.8610, 1.7826



7.7056, 6.8610, 0.0000



2.5366, 6.8610, 19.6221



5.4648, 6.8610, 40.8121

Sweetspot

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



13.3587, 6.8614, 1.7827



38.3407, 32.8796, 33.4052



13.8333, 6.4675, 30.6559



8.1276, 6.7529, 6.7408



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



13.3587, 6.8614, 1.7827



23.8713, 12.2663, 2.9159



14.1106, 8.7197, 0.9400



6.2542, 6.2409, 6.7189



11.0502, 5.6743, 1.5236



0.1755, 0.0890, 0.0773

Inverse Universe

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



13.3587, 6.8614, 1.7827



23.8713, 12.2663, 2.9159



11.0188, 12.8376, 32.0338



6.2542, 6.2409, 6.7189



11.0502, 5.6743, 1.5236



0.1755, 0.0890, 0.0773

Previews

White Background



This preview shows how the XYZ color 13.3586, 6.8610, 1.7826 looks on a white background.

Color Contrast Check

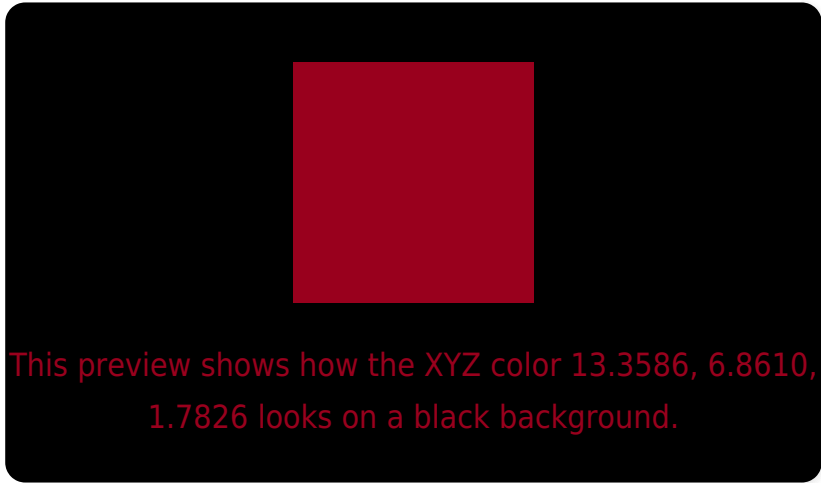
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3586, 6.8610, 1.7826

Background



This preview shows how black text looks on a background with the XYZ color 13.3586, 6.8610, 1.7826.



This preview shows how white text looks on a background with the XYZ color 13.3586, 6.8610,

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

13.3586, 6.8610, 1.7826

Protanopia

6.8738, 7.4285, 3.5542

Deuteranopia

7.5207, 7.4022, 1.5627



Tritanopia

13.2939, 7.0864, 0.6671

Trichromacy



Original Color

13.3586, 6.8610, 1.7826

Protanomaly

7.8949, 5.6581, 2.5955

Deuteranomaly

8.5836, 5.8597, 1.3881

Tritanomaly

13.2950, 6.9918, 0.9654

Monochromacy



Original Color

13.3586, 6.8610, 1.7826

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

4.8384, 3.1734, 2.5480

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3586, 6.8610, 1.7826 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(153, 0, 29)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 29)  
}
```

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(153, 0, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 29) }
```

Border

The CSS property to change the border of an element to XYZ 13.3586, 6.8610, 1.7826 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(153, 0, 29) }
```


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

```
.border{ border-color:rgb(153, 0, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 0, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 29);  
box-shadow:4px 4px 4px 4px rgb(153, 0, 29)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.3586, 6.8610, 1.7826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 0, 29) }
```

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

```
.background{ background-color: rgb(153, 0,  
29) }
```

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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