

Converting Colors

XYZ(11.9754, 4.3296, 1.2949)

Have a look what the booklet for
XYZ(11.9754, 4.3296, 1.2949)
contains.

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Color

**XYZ(13.1585, 6.7592,
1.7097)**

Conversions

Conversions Part 1

Format	Color
Hex	98001C
RGB	152, 0, 28
RGB Percent	60%, 0%, 11%
CMY	0.4039, 0.9999, 0.8902
CMYK	0.00, 1.00, 0.82, 0.40
HSL	349°, 100%, 30%
HSV	349°, 100%, 60%
XYZ	13.1585, 6.7592, 1.7097
YIQ	48.6400, 81.6040, 40.9320

Conversions

Conversions Part 2

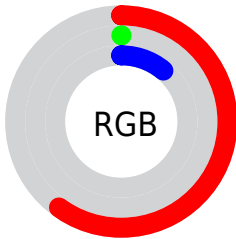
Format	Color
RYB	152, 0, 28
Decimal	9961500
CIELab	31.25, 54.98, 31.39
CIElCh	31, 63.312, 29.720
Yxy	6.7592, 0.6084, 0.3125
Android (android.graphics.Color)	4288151580 (0xFF98001C)
YUV	48.6400, -10.1755, 90.6467
Hunter-Lab	25.9985, 44.8462, 14.2999

Details

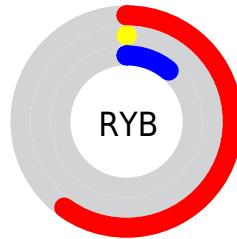
The XYZ color **13.1585, 6.7592, 1.7097** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **14.8678, 23.9122, 22.9071**, and the grayscale version is **2.8851, 3.0354, 3.3055**.

A 20% lighter version of the original color is **31.2838, 19.5291, 8.2515**, and **4.4136, 2.2753, 0.2066** is the 20% darker color. If you saturate the color by 10%, you get **13.1582, 6.7591, 1.7087**, and if you desaturate by 10%, it is **13.5126, 7.1792, 2.7170**.

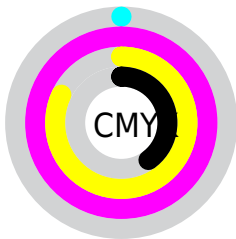
Distribution



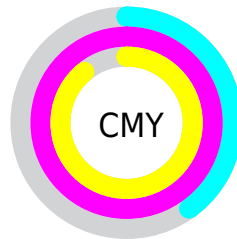
- Red (60%)
- Green (0%)
- Blue (11%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (82%)
- Black (40%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1585, 6.7592, 1.7097 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 13.1585, 6.7592, 1.7097 by changing the saturation by 10% instead.


 13.1585, 6.7592,
1.7097


 13.1585, 6.7592,
1.7097


205.5481,
165.6476, 117.6925


 7.6155, 3.3120,
0.3674


 31.1871, 19.4871,
8.2308


 3.8997, 1.2967,
0.0000

 44.4035, 29.5366,
14.3613

 1.6455, 0.1386,
0.0000

 60.9084, 42.5556,
22.9632

 0.4218, 0.0000,
0.0000


 81.0672, 58.9286,
34.4551


 0.0000, 0.0000,
0.0000


 105.2452, 79.0398,
49.2554


 133.8078,


103.2738, 67.7827


 167.1203,
132.0149, 90.4556


 13.1585, 6.7592,
1.7097


 13.1585, 6.7592,
1.7097


 13.1582, 6.7591,
1.7087

 13.5126, 7.1792,
2.7170

 14.0619, 7.8805,
4.1244

 14.8711, 8.9838,
5.9824

 15.9690, 10.5380,
8.3263

 17.3804, 12.5852,
11.1877

■ 19.1273, 15.1625,
14.5956

■ 21.2298, 18.3035,
18.5766

■ 23.7063, 22.0389,
23.1558

■ 26.5740, 26.3974,
28.3566

Harmonies

Analogous

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



14.4707, 6.7592, 7.4439



13.1585, 6.7592, 1.7097



9.9436, 6.7592, 0.0000

Triad

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



13.1585, 6.7592, 1.7097



2.5153, 6.7592, 1.6553



6.3951, 6.7592, 41.3052

Complementary

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



13.1585, 6.7592, 1.7097



14.8678, 23.9122, 22.9071

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.



3.8523, 6.7592, 34.3451



13.1585, 6.7592, 1.7097



2.1027, 6.7592, 7.2759

Square

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



13.1585, 6.7592, 1.7097



3.8885, 6.7592, 0.0000



2.4996, 6.7592, 19.5638



9.8758, 6.7592, 34.5801

Rectangle

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



13.1585, 6.7592, 1.7097



7.5540, 6.7592, 0.0000



2.4996, 6.7592, 19.5638



5.4134, 6.7592, 40.4420

Sweetspot

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



13.1586, 6.7596, 1.7098



37.2334, 31.9482, 32.3415



13.6377, 6.3761, 30.2176



8.1216, 6.7505, 6.7090



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.



13.1586, 6.7596, 1.7098



23.1768, 11.9110, 2.7585



13.9109, 8.5993, 0.9272



6.2529, 6.2403, 6.7121



11.0419, 5.6710, 1.4794



0.1752, 0.0888, 0.0753

Inverse Universe

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



13.1586, 6.7596, 1.7098



23.1768, 11.9110, 2.7585



10.8637, 12.6590, 31.5765



6.2529, 6.2403, 6.7121



11.0419, 5.6710, 1.4794



0.1752, 0.0888, 0.0753

Previews

White Background



This preview shows how the XYZ color 13.1585, 6.7592, 1.7097 looks on a white background.

Color Contrast Check

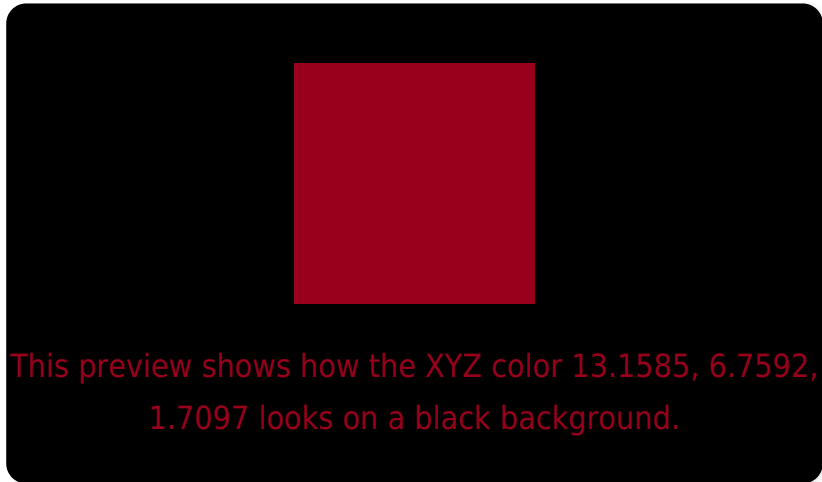
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.1585, 6.7592, 1.7097

Background



This preview shows how black text looks on a background with the XYZ color 13.1585, 6.7592, 1.7097.



This preview shows how white text looks on a background with the XYZ color 13.1585, 6.7592,

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

13.1585, 6.7592, 1.7097

Protanopia

6.7647, 7.3744, 3.4497

Deuteranopia

7.3985, 7.3410, 1.4789



Tritanopia

12.9064, 6.8672, 0.6452

Trichromacy



Original Color

13.1585, 6.7592, 1.7097

Protanomaly

7.7548, 5.5878, 2.5035

Deuteranomaly

8.4394, 5.7864, 1.3339

Tritanomaly

12.9041, 6.7749, 0.9147

Monochromacy



Original Color

13.1585, 6.7592, 1.7097

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

4.7280, 3.1185, 2.4506

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1585, 6.7592, 1.7097 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(152, 0, 28)` looks like.

```
.text, #text, p{  
    color:rgb(152, 0, 28)  
}
```

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(152, 0, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 0, 28) }
```

Border

The CSS property to change the border of an element to XYZ 13.1585, 6.7592, 1.7097 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(152, 0, 28) }
```


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

```
.border{ border-color:rgb(152, 0, 28) }
```

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

Here you see how a box with a 4 pixel rgb(152, 0, 28) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 0, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 0, 28);  
box-shadow:4px 4px 4px 4px rgb(152, 0, 28)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.1585, 6.7592, 1.7097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 0, 28) }
```

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

```
.background{ background-color: rgb(152, 0,  
28) }
```

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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