

Converting Colors

XYZ(9.7512, 5.0106, 1.1940)

Have a look what the booklet for
XYZ(9.7512, 5.0106, 1.1940)
contains.

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Color

XYZ(9.8177, 5.0445, 1.2153)

Conversions

Conversions Part 1

Format	Color
Hex	850016
RGB	133, 0, 22
RGB Percent	52%, 0%, 9%
CMY	0.4784, 0.9999, 0.9137
CMYK	0.00, 1.00, 0.83, 0.48
HSL	350°, 100%, 26%
HSV	350°, 100%, 52%
XYZ	9.8177, 5.0445, 1.2153
YIQ	42.2750, 72.2060, 35.0380

Conversions

Conversions Part 2

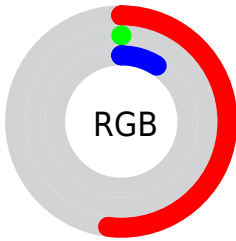
Format	Color
R_YB	133, 0, 22
Decimal	8716310
CIE Lab	26.86, 49.85, 29.20
CIE LCh	27, 57.776, 30.360
Yxy	5.0445, 0.6106, 0.3138
Android (android.graphics.Color)	4286906390 (0xFF850016)
YUV	42.2750, -9.9956, 79.5658
Hunter-Lab	22.4600, 38.7210, 12.5138

Details

The XYZ color **9.8177, 5.0445, 1.2153** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **11.2579, 17.9231, 17.9100**, and the grayscale version is **2.2320, 2.3482, 2.5572**.

A 20% lighter version of the original color is **25.0136, 15.8534, 6.7427**, and **2.8240, 1.4558, 0.1322** is the 20% darker color. If you saturate the color by 10%, you get **9.8175, 5.0444, 1.2146**, and if you desaturate by 10%, it is **10.0968, 5.3929, 1.9551**.

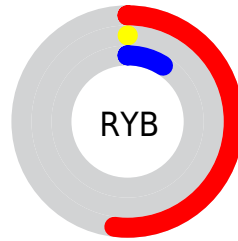
Distribution



Red (52%)

Green (0%)

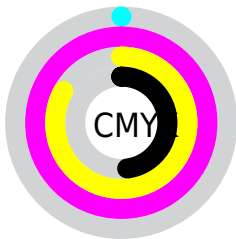
Blue (9%)



Red (52%)

Yellow (0%)

Blue (9%)

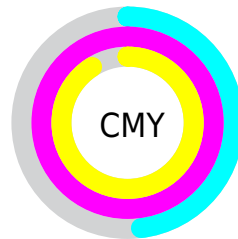


Cyan (0%)

Magenta (100%)

Yellow (83%)

Black (48%)



Cyan (48%)

Magenta (100%)

Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 9.8177, 5.0445, 1.2153 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 9.8177, 5.0445, 1.2153 by changing the saturation by 10% instead.


 9.8177, 5.0445,
1.2153


 9.8177, 5.0445,
1.2153


 183.4469,
150.2520, 108.6686


 5.3396, 2.2734,
0.0000

 25.1048, 15.9138,
6.7562


 2.4847, 0.7596,
0.0000


 36.6446, 24.7808,
12.2005

 0.8875, 0.0000,
0.0000

 51.2689, 36.4485,
19.9854

 0.0000, 0.0000,
0.0000

 69.3432, 51.3013,
30.5295

 91.2328, 69.7237,
44.2514

 117.3030, 92.1000,

61.5695

147.9193,
118.8146, 82.9024

9.8177, 5.0445,
1.2153

9.8177, 5.0445,
1.2153

9.8175, 5.0444,
1.2146

10.0968, 5.3929,
1.9551

10.5145, 5.9363,
2.9946

11.1257, 6.7773,
4.3746

11.9512, 7.9507,
6.1220

13.0089, 9.4867,
8.2609

■ 14.3149, 11.4118,
10.8135

■ 15.8837, 13.7503,
13.8001

■ 17.7288, 16.5244,
17.2397

■ 19.8628, 19.7545,
21.1502

Harmonies

Analogous

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



10.8463, 5.0445, 5.4120



9.8177, 5.0445, 1.2153



7.3811, 5.0445, 0.0000

Triad

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



9.8177, 5.0445, 1.2153



1.8513, 5.0445, 1.2674



4.8230, 5.0445, 31.0719

Complementary

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



9.8177, 5.0445, 1.2153



11.2579, 17.9231, 17.9100

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.



2.8963, 5.0445, 26.0222



9.8177, 5.0445, 1.2153



1.5565, 5.0445, 5.5740

Square

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



9.8177, 5.0445, 1.2153



2.8615, 5.0445, 0.0000



1.8664, 5.0445, 14.9162



7.4466, 5.0445, 25.7943

Rectangle

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



9.8177, 5.0445, 1.2153



5.5880, 5.0445, 0.0000



1.8664, 5.0445, 14.9162



4.0802, 5.0445, 30.4988

Sweetspot

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



9.8178, 5.0448, 1.2154



28.2337, 24.3083, 24.3157



10.7687, 5.0627, 22.5998



6.1248, 5.1239, 5.0315



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



9.8178, 5.0448, 1.2154



17.5398, 9.0170, 1.9567



10.5865, 6.8137, 0.7577



4.7017, 4.7004, 5.0414



9.3536, 4.8058, 1.1685



0.0342, 0.0174, 0.0137

Inverse Universe

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



9.8178, 5.0448, 1.2154



17.5398, 9.0170, 1.9567



7.7790, 8.7839, 23.4756



4.7017, 4.7004, 5.0414



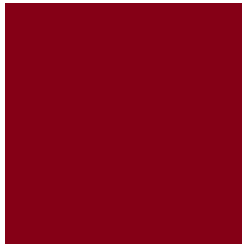
9.3536, 4.8058, 1.1685



0.0342, 0.0174, 0.0137

Previews

White Background



This preview shows how the XYZ color 9.8177, 5.0445, 1.2153 looks on a white background.

Color Contrast Check

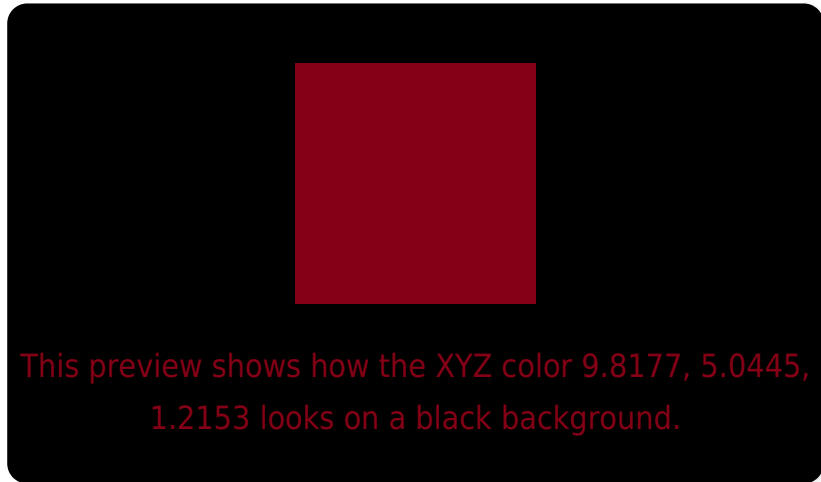
Large Text (above 18pt) WCAG AA ✓ Pass

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 9.8177, 5.0445, 1.2153

Background



This preview shows how black text looks on a background with the XYZ color 9.8177, 5.0445, 1.2153.



This preview shows how white text looks on a background with the XYZ color 9.8177, 5.0445, 1.2153.

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

9.8177, 5.0445, 1.2153

Protanopia

5.1346, 5.5915, 2.3988

Deuteranopia

5.6181, 5.6134, 0.9884

Trichromacy



Original Color

9.8177, 5.0445, 1.2153

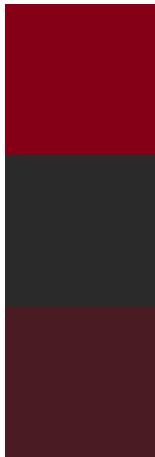
Protanomaly

5.8175, 4.2544, 1.7429

Deuteranomaly

6.3388, 4.4372, 0.8702

Monochromacy



Original Color

9.8177, 5.0445, 1.2153

Achromatopsia

2.2007, 2.3153, 2.5214

Achromatomaly

3.5970, 2.4011, 1.8640

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8177, 5.0445, 1.2153 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(133, 0, 22)` looks like.

```
.text, #text, p{  
  color:rgb(133, 0, 22)  
}
```

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(133, 0, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 0, 22) }
```

Border

The CSS property to change the border of an element to XYZ 9.8177, 5.0445, 1.2153 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(133, 0, 22) }
```

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

```
.border{ border-color:rgb(133, 0, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 0, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 0, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 0, 22);  
box-shadow:4px 4px 4px 4px rgb(133, 0, 22)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.8177, 5.0445, 1.2153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 0, 22) }
```

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

```
.background{ background-color: rgb(133, 0,  
22) }
```

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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