

Converting Colors

XYZ(9.3847, 2.9691, 0.0000)

Have a look what the booklet for
XYZ(9.3847, 2.9691, 0.0000)
contains.

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Color

**XYZ(10.6475, 5.4890,
0.4983)**

Conversions

Conversions Part 1

Format	Color
Hex	8B0000
RGB	139, 0, 0
RGB Percent	55%, 0%, 0%
CMY	0.4549, 0.9999, 1.0000
CMYK	0.00, 1.00, 1.00, 0.45
HSL	0°, 100%, 27%
HSV	0°, 100%, 55%
XYZ	10.6475, 5.4890, 0.4983
YIQ	41.5610, 82.8440, 29.4680

Conversions

Conversions Part 2

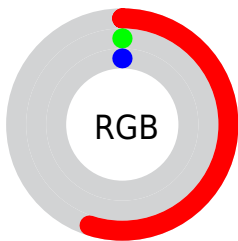
Format	Color
R_{YB}	139, 0, 0
Decimal	9109504
CIE _{Lab}	28.08, 51.01, 41.29
CIE _{LCh}	28, 65.630, 38.991
Yxy	5.4890, 0.6401, 0.3300
Android (android.graphics.Color)	4287299584 (0xFF8B0000)
YUV	41.5610, -20.4896, 85.4540
Hunter-Lab	23.4286, 40.1220, 15.1390

Details

The XYZ color **10.6475, 5.4890, 0.4983** is a dark color, and the websafe version is hex **990000**, and the color name is **darkred**. A complement of this color would be **13.8900, 20.3238, 27.6168**, and the grayscale version is **2.1736, 2.2868, 2.4903**.

A 20% lighter version of the original color is **26.7286, 16.8790, 4.5385**, and **3.2244, 1.6623, 0.1509** is the 20% darker color. If you saturate the color by 10%, you get **10.6476, 5.4893, 0.4984**, and if you desaturate by 10%, it is **10.8819, 5.8322, 0.9641**.

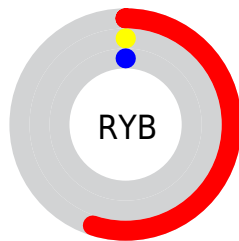
Distribution



Red (55%)

Green (0%)

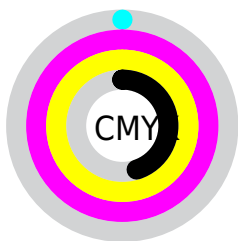
Blue (0%)



Red (55%)

Yellow (0%)

Blue (0%)

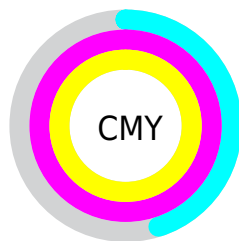


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (45%)



Cyan (45%)

Magenta (100%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 10.6475, 5.4890, 0.4983 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 10.6475, 5.4890, 0.4983 by changing the saturation by 10% instead.


 10.6475, 5.4890,
0.4983


 10.6475, 5.4890,
0.4983


 189.1916,
154.4418, 93.1857

 5.8959, 2.5369,
0.0000

 26.6452, 16.8613,
4.5094


 2.8219, 0.8951,
0.0000


 38.6221, 26.0504,
8.7898

 1.0603, 0.0000,
0.0000

 53.7380, 38.0872,
15.1685

 0.0000, 0.0000,
0.0000

 72.3584, 53.3562,
24.0641

 94.8486, 72.2417,
35.8951

 121.5739, 95.1283,

51.0799


 152.8998,
122.4002, 70.0373


 10.6475, 5.4890,
0.4983

 10.6475, 5.4890,
0.4983


 10.6476, 5.4893,
0.4984

 10.8819, 5.8322,
0.9641

 11.2655, 6.3936,
1.7265

 11.8778, 7.2896,
2.9435

 12.7469, 8.5614,
4.6710

 13.8968, 10.2441,
6.9568

■ 15.3488, 12.3688,
9.8433

■ 17.1221, 14.9636,
13.3686

■ 19.2344, 18.0545,
17.5679

■ 21.7020, 21.6652,
22.4736

Harmonies

Analogous

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



12.5850, 5.4890, 3.8688



10.6475, 5.4890, 0.4983



7.4050, 5.4890, 0.0000

Triad

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



10.6475, 5.4890, 0.4983



1.6229, 5.4890, 1.9671



6.1084, 5.4890, 38.0166

Complementary

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



10.6475, 5.4890, 0.4983



13.8900, 20.3238, 27.6168

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.



3.5092, 5.4890, 35.2088



10.6475, 5.4890, 0.4983



1.4921, 5.4890, 8.7374

Square

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



10.6475, 5.4890, 0.4983



2.5014, 5.4890, 0.0000



2.0425, 5.4890, 21.9684



9.4111, 5.4890, 27.8915

Rectangle

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



10.6475, 5.4890, 0.4983



5.3129, 5.4890, 0.0000



2.0425, 5.4890, 21.9684



5.1226, 5.4890, 38.6651

Sweetspot

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



10.6476, 5.4894, 0.4984



30.4374, 26.4675, 23.4927



15.3076, 7.3530, 25.0384



6.7282, 5.6812, 4.8460



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



10.6476, 5.4894, 0.4984



19.0680, 9.8303, 0.8924



12.8064, 9.8070, 1.2180



5.0329, 5.0487, 5.2616



9.6100, 4.9544, 0.4498



0.0638, 0.0329, 0.0030

Inverse Universe

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



13.8900, 20.3238, 27.6168



24.8747, 36.3964, 49.4571



6.8192, 6.1821, 25.2598



5.1728, 5.6885, 6.4312



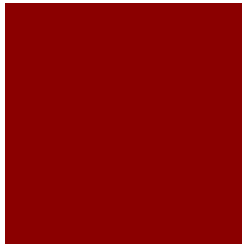
12.5365, 18.3433, 24.9255



0.0833, 0.1219, 0.1656

Previews

White Background



This preview shows how the XYZ color 10.6475, 5.4890, 0.4983 looks on a white background.

Color Contrast Check

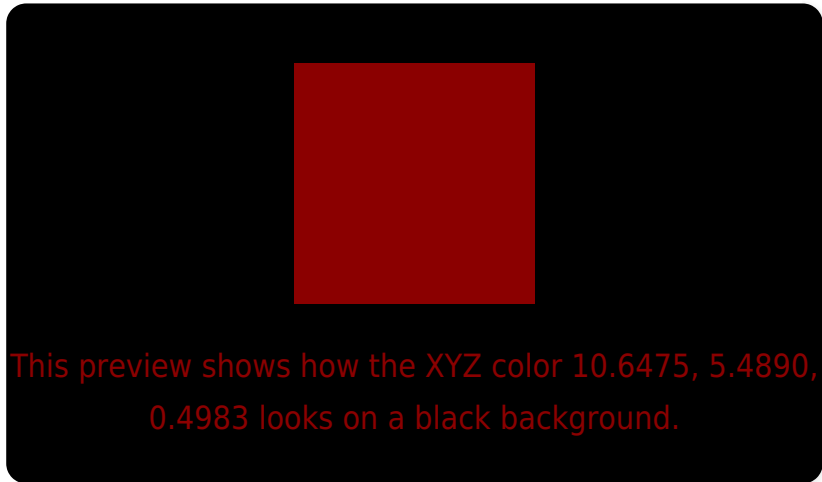
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.6475, 5.4890, 0.4983

Background



This preview shows how black text looks on a background with the XYZ color 10.6475, 5.4890, 0.4983.



This preview shows how white text looks on a background with the XYZ color 10.6475, 5.4890,

0.4983.

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

10.6475, 5.4890, 0.4983

Protanopia

5.5238, 6.0863, 1.4559

Deuteranopia

6.0317, 6.0890, 0.8574



Tritanopia

10.6252, 5.6911, 0.5385

Trichromacy



Original Color

10.6475, 5.4890, 0.4983

Protanomaly

6.3656, 4.6676, 0.8820

Deuteranomaly

6.9273, 4.8536, 0.5717

Tritanomaly

10.5681, 5.5769, 0.5195

Monochromacy



Original Color

10.6475, 5.4890, 0.4983

Achromatopsia

2.2007, 2.3153, 2.5214

Achromatomaly

3.6503, 2.4408, 1.3156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6475, 5.4890, 0.4983 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(139, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(139, 0, 0)  
}
```

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(139, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 0, 0) }
```

Border

The CSS property to change the border of an element to XYZ 10.6475, 5.4890, 0.4983 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(139, 0, 0) }
```


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

```
.border{ border-color:rgb(139, 0, 0) }
```

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

Here you see how a box with a 4 pixel rgb(139, 0, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(139, 0, 0); box-shadow:4px  
4px 4px 4px rgb(139, 0, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6475, 5.4890, 0.4983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 0, 0) }
```

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

```
.background{ background-color: rgb(139, 0,  
0) }
```

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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