

Converting Colors

XYZ(10.2002, 3.6657, 0.0000)

Have a look what the booklet for
XYZ(10.2002, 3.6657, 0.0000)
contains.

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Color

**XYZ(11.3277, 5.8396,
0.5301)**

Conversions

Conversions Part 1

Format	Color
Hex	8F0000
RGB	143, 0, 0
RGB Percent	56%, 0%, 0%
CMY	0.4392, 0.9999, 1.0000
CMYK	0.00, 1.00, 1.00, 0.44
HSL	0°, 100%, 28%
HSV	0°, 100%, 56%
XYZ	11.3277, 5.8396, 0.5301
YIQ	42.7570, 85.2280, 30.3160

Conversions

Conversions Part 2

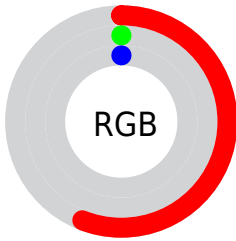
Format	Color
R_{YB}	143, 0, 0
Decimal	9371648
CIE Lab	29.00, 52.07, 42.42
CIE LCh	29, 67.169, 39.169
Yxy	5.8396, 0.6401, 0.3300
Android (android.graphics.Color)	4287561728 (0xFF8F0000)
YUV	42.7570, -21.0792, 87.9131
Hunter-Lab	24.1653, 41.3844, 15.6151

Details

The XYZ color **11.3277, 5.8396, 0.5301** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **14.7778, 21.6229, 29.3813**, and the grayscale version is **2.2875, 2.4066, 2.6208**.

A 20% lighter version of the original color is **27.8801, 17.5647, 4.6102**, and **3.4797, 1.7938, 0.1628** is the 20% darker color. If you saturate the color by 10%, you get **11.3278, 5.8400, 0.5302**, and if you desaturate by 10%, it is **11.5703, 6.1948, 1.0121**.

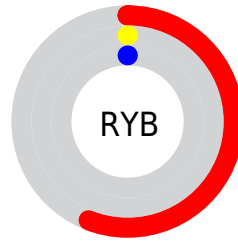
Distribution



Red (56%)

Green (0%)

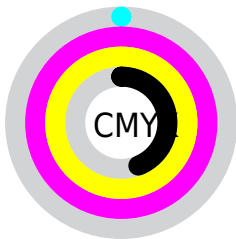
Blue (0%)



Red (56%)

Yellow (0%)

Blue (0%)

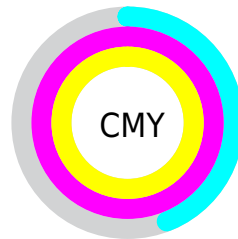


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (44%)



Cyan (44%)


Magenta (100%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.3277, 5.8396, 0.5301 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 11.3277, 5.8396, 0.5301 by changing the saturation by 10% instead.


 11.3277, 5.8396,
0.5301


 11.3277, 5.8396,
0.5301


 193.7644,
157.6403, 93.8569


 6.3566, 2.7478,
0.0000


 27.8922, 17.5974,
4.5989


 3.1058, 1.0015,
0.0000

 40.2163, 27.0322,
8.9293


 1.2100, 0.0000,
0.0000

 55.7221, 39.3501,
15.3691

 0.1142, 0.0000,
0.0000

 74.7750, 54.9355,
24.3367

 0.0000, 0.0000,
0.0000


 97.7403, 74.1729,
36.2508

 124.9834, 97.4465,


51.5298

 156.8697,
125.1409, 70.5923


 11.3277, 5.8396,
0.5301


 11.3277, 5.8396,
0.5301


 11.3278, 5.8400,
0.5302

 11.5703, 6.1948,
1.0121

 11.9744, 6.7863,
1.8154

 12.6225, 7.7346,
3.1035

 13.5447, 9.0841,
4.9366

 14.7668, 10.8724,
7.3660

■ 16.3117, 13.1330,
10.4371

■ 18.2000, 15.8961,
14.1909

■ 20.4506, 19.1894,
18.6652

■ 23.0811, 23.0386,
23.8948

Harmonies

Analogous

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



13.4097, 5.8396, 4.0733



11.3277, 5.8396, 0.5301



7.8635, 5.8396, 0.0000

Triad

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



11.3277, 5.8396, 0.5301



1.7174, 5.8396, 2.1085



6.5208, 5.8396, 40.5591

Complementary

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



11.3277, 5.8396, 0.5301



14.7778, 21.6229, 29.3813

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.



3.7422, 5.8396, 37.6452



11.3277, 5.8396, 0.5301



1.5824, 5.8396, 9.3693

Square

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



11.3277, 5.8396, 0.5301



2.6471, 5.8396, 0.0000



2.1730, 5.8396, 23.5294



10.0465, 5.8396, 29.6736

Rectangle

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



11.3277, 5.8396, 0.5301



5.6344, 5.8396, 0.0000



2.1730, 5.8396, 23.5294



5.4672, 5.8396, 41.2831

Sweetspot

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



11.3278, 5.8400, 0.5302



32.3601, 28.1261, 24.9499



16.2855, 7.8228, 26.6381



7.1141, 6.0011, 5.1117



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



11.3278, 5.8400, 0.5302



20.2864, 10.4584, 0.9495



13.6128, 10.4099, 1.2918



5.4089, 5.4242, 5.6513



10.0160, 5.1637, 0.4688



0.0958, 0.0494, 0.0045

Inverse Universe

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



14.7778, 21.6229, 29.3813



26.4648, 38.7233, 52.6175



7.2431, 6.5535, 26.8697



5.5602, 6.1162, 6.9163



13.0664, 19.1189, 25.9787



0.1249, 0.1828, 0.2484

Previews

White Background



This preview shows how the XYZ color 11.3277, 5.8396, 0.5301 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

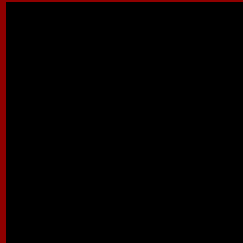
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.3277, 5.8396, 0.5301

Background



This preview shows how black text looks on a background with the XYZ color 11.3277, 5.8396, 0.5301.



This preview shows how white text looks on a background with the XYZ color 11.3277, 5.8396,

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

11.3277, 5.8396, 0.5301

Protanopia

5.8282, 6.4311, 1.5502

Deuteranopia

6.4425, 6.4804, 0.9113



Tritanopia

11.2993, 6.0386, 0.5700

Trichromacy



Original Color

11.3277, 5.8396, 0.5301

Protanomaly

6.7523, 4.9236, 0.9423

Deuteranomaly

7.3311, 5.1164, 0.6012

Tritanomaly

11.2422, 5.9244, 0.5510

Monochromacy



Original Color

11.3277, 5.8396, 0.5301

Achromatopsia

2.2962, 2.4158, 2.6308

Achromatomaly

3.8142, 2.5253, 1.3233

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.3277, 5.8396, 0.5301 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(143, 0, 0)` looks like.

```
.text, #text, p{  
    color:rgb(143, 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(143, 0, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 0, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.3277, 5.8396, 0.5301 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(143, 0, 0) }
```


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

```
.border{ border-color:rgb(143, 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(143, 0, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 0, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(143, 0, 0); box-shadow:4px  
4px 4px 4px rgb(143, 0, 0) }
```

Background

The CSS property to change the background color of an element to XYZ 11.3277, 5.8396, 0.5301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 0, 0) }
```

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

```
.background{ background-color: rgb(143, 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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