

Converting Colors

XYZ(15.1432, 8.5722, 0.8565)

Have a look what the booklet for
XYZ(15.1432, 8.5722, 0.8565)
contains.

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Color

**XYZ(15.2145, 8.6101,
0.8600)**

Conversions

Conversions Part 1

Format	Color
Hex	A12000
RGB	161, 32, 0
RGB Percent	63%, 13%, 0%
CMY	0.3686, 0.8745, 1.0000
CMYK	0.00, 0.80, 1.00, 0.37
HSL	12°, 100%, 32%
HSV	12°, 100%, 63%
XYZ	15.2145, 8.6101, 0.8600
YIQ	66.9230, 87.1560, 17.3960

Conversions

Conversions Part 2

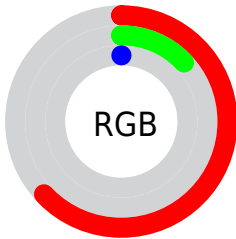
Format	Color
R_{YB}	161, 40, 0
Decimal	10559488
CIE Lab	35.22, 50.70, 48.43
CIE LCh	35, 70.110, 43.689
Yxy	8.6101, 0.6164, 0.3488
Android (android.graphics.Color)	4288749568 (0xFFA12000)
YUV	66.9230, -32.9930, 82.5055
Hunter-Lab	29.3430, 41.2031, 18.8024

Details

The XYZ color **15.2145, 8.6101, 0.8600** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **14.2818, 18.2709, 36.4920**, and the grayscale version is **5.3645, 5.6439, 6.1462**.

A 20% lighter version of the original color is **34.8886, 23.2223, 5.6611**, and **5.2555, 2.7093, 0.2460** is the 20% darker color. If you saturate the color by 10%, you get **15.2147, 8.6106, 0.8601**, and if you desaturate by 10%, it is **15.7271, 9.4846, 1.4960**.

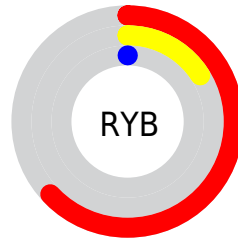
Distribution



Red (63%)

Green (13%)

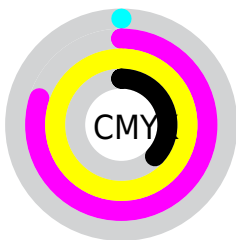
Blue (0%)



Red (63%)

Yellow (16%)

Blue (0%)

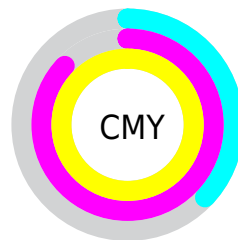


Cyan (0%)

Magenta (80%)

Yellow (100%)

Black (37%)



Cyan (37%)


Magenta (87%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2145, 8.6101, 0.8600 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 15.2145, 8.6101, 0.8600 by changing the saturation by 10% instead.


 15.2145, 8.6101,
0.8600


 15.2145, 8.6101,
0.8600


 218.0236,
180.4420, 101.0117


 9.0574, 4.4878,
0.0000


 34.7976, 23.1461,
5.5984


 4.8360, 1.9500,
0.0000

 48.9543, 34.3285,
10.4645


 2.1851, 0.5782,
0.0000

 66.5082, 48.6331,
17.5545

 0.7349, 0.0000,
0.0000

 87.8247, 66.4442,
27.2869


 0.0000, 0.0000,
0.0000


 113.2691, 88.1463,
40.0803


 143.2069,

114.1237, 56.3532


 178.0032,
144.7608, 76.5242


 15.2145, 8.6101,
0.8600


 15.2145, 8.6101,
0.8600


 15.2147, 8.6106,
0.8601

 15.7271, 9.4846,
1.4960

 16.4647, 10.6892,
2.5763

 17.4723, 12.2623,
4.2749

 18.7746, 14.2315,
6.6678

 20.3935, 16.6219,
9.8201

■ 22.3488, 19.4564,
13.7893

■ 24.6585, 22.7562,
18.6271

■ 27.3392, 26.5411,
24.3813

■ 30.4068, 30.8298,
31.0958

Harmonies

Analogous

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



18.3355, 8.6101, 5.0218



15.2145, 8.6101, 0.8600



10.5743, 8.6101, 0.0000

Triad

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



15.2145, 8.6101, 0.8600



2.7501, 8.6101, 4.3984



10.1706, 8.6101, 52.1021

Complementary

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



15.2145, 8.6101, 0.8600



14.2818, 18.2709, 36.4920

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.



6.1835, 8.6101, 51.2766



15.2145, 8.6101, 0.8600



2.7057, 8.6101, 15.7133

Square

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



15.2145, 8.6101, 0.8600



3.8934, 8.6101, 0.7014



3.7417, 8.6101, 34.7998



14.8362, 8.6101, 36.5612

Rectangle

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



15.2145, 8.6101, 0.8600



7.6923, 8.6101, 0.0000



3.7417, 8.6101, 34.7998



8.6955, 8.6101, 53.9686

Sweetspot

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



15.2147, 8.6106, 0.8601



43.9110, 40.3988, 32.8287



18.8274, 9.2289, 22.4338



9.2587, 8.3308, 6.4164



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



15.2147, 8.6106, 0.8601



27.1357, 15.1958, 1.5029



20.2756, 18.7325, 2.5471



7.1825, 7.3035, 7.4112



12.1757, 6.9254, 0.6950



0.2852, 0.2042, 0.0244

Inverse Universe

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



14.2818, 18.2709, 36.4920



25.4363, 32.4390, 65.3073



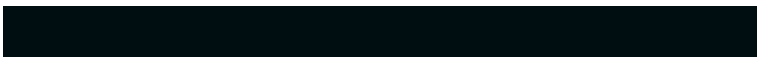
7.6161, 4.9394, 34.2701



7.1559, 7.7709, 9.0258



11.4354, 14.6502, 29.1548



0.2691, 0.3654, 0.6222

Previews

White Background



This preview shows how the XYZ color 15.2145, 8.6101, 0.8600 looks on a white background.

Color Contrast Check

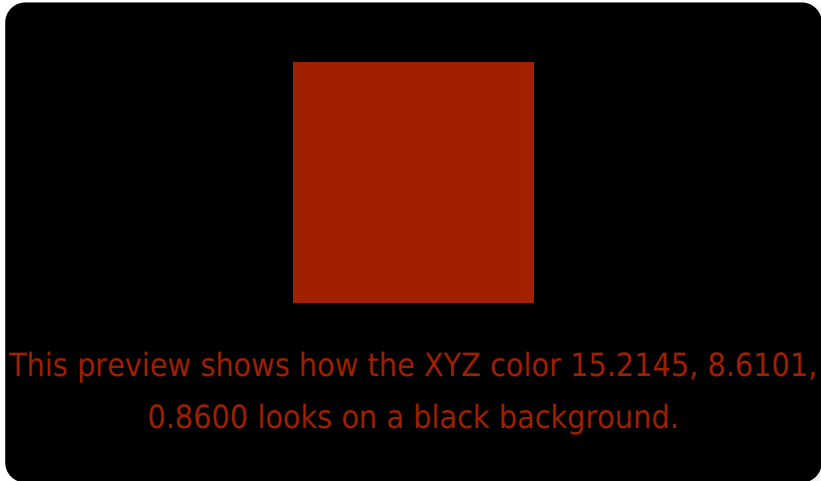
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.2145, 8.6101, 0.8600

Background



This preview shows how black text looks on a background with the XYZ color 15.2145, 8.6101, 0.8600.



This preview shows how white text looks on a background with the XYZ color 15.2145, 8.6101,

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

15.2145, 8.6101, 0.8600

Protanopia

8.0854, 8.9769, 1.9227

Deuteranopia

8.8125, 8.8015, 1.2344



Tritanopia

15.3966, 8.5994, 2.0766

Trichromacy



Original Color

15.2145, 8.6101, 0.8600

Protanomaly

9.6223, 7.8449, 1.3549

Deuteranomaly

10.3817, 7.9906, 0.9952

Tritanomaly

15.3055, 8.6041, 1.4702

Monochromacy



Original Color

15.2145, 8.6101, 0.8600

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

7.1220, 5.5795, 2.9871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2145, 8.6101, 0.8600 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(161, 32, 0)` looks like.

```
.text, #text, p{  
    color:rgb(161, 32, 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(161, 32, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 32, 0) }
```

Border

The CSS property to change the border of an element to XYZ 15.2145, 8.6101, 0.8600 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(161, 32, 0) }
```


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

```
.border{ border-color:rgb(161, 32, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 32, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 32, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 32, 0);  
box-shadow:4px 4px 4px 4px rgb(161, 32, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.2145, 8.6101, 0.8600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 32, 0) }
```

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

```
.background{ background-color: rgb(161, 32,  
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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