

Converting Colors

XYZ(19.1001, 12.2417, 0.0000)

Have a look what the booklet for
XYZ(19.1001, 12.2417, 0.0000)
contains.

XYZ(19.2951, 12.3457, 1.3660)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.2951, 12.3457,
1.3660)**

Conversions

Conversions Part 1

Format	Color
Hex	AF3C00
RGB	175, 60, 0
RGB Percent	69%, 24%, 0%
CMY	0.3137, 0.7647, 1.0000
CMYK	0.00, 0.66, 1.00, 0.31
HSL	21°, 100%, 34%
HSV	21°, 100%, 69%
XYZ	19.2951, 12.3457, 1.3660
YIQ	87.5450, 87.8000, 5.7200

Conversions

Conversions Part 2

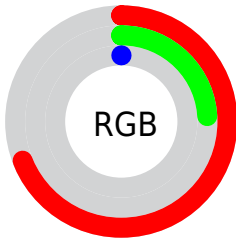
Format	Color
R_{YB}	175, 91, 0
Decimal	11484160
CIE _{Lab}	41.76, 44.89, 53.11
CIE _{LCh}	42, 69.545, 49.796
Yxy	12.3457, 0.5846, 0.3740
Android (android.graphics.Color)	4289674240 (0xFFAF3C00)
YUV	87.5450, -43.1597, 76.6980
Hunter-Lab	35.1364, 36.5341, 22.2905

Details

The XYZ color **19.2951, 12.3457, 1.3660** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **13.8680, 15.3554, 42.7902**, and the grayscale version is **9.2549, 9.7369, 10.6034**.

A 20% lighter version of the original color is **41.8546, 30.2632, 7.2498**, and **6.9394, 3.5774, 0.3248** is the 20% darker color. If you saturate the color by 10%, you get **19.2953, 12.3462, 1.3661**, and if you desaturate by 10%, it is **20.0699, 13.7272, 2.1430**.

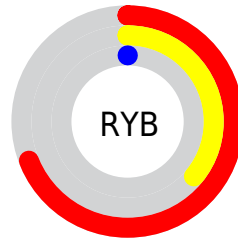
Distribution



Red (69%)

Green (24%)

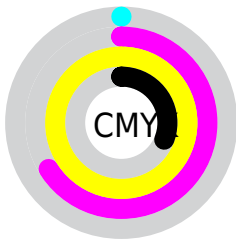
Blue (0%)



Red (69%)

Yellow (36%)

Blue (0%)

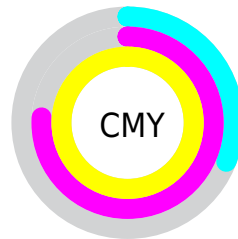


Cyan (0%)

Magenta (66%)

Yellow (100%)

Black (31%)



Cyan (31%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 19.2951, 12.3457, 1.3660 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 19.2951, 12.3457, 1.3660 by changing the saturation by 10% instead.


 19.2951, 12.3457,
1.3660


 19.2951, 12.3457,
1.3660


 240.9800,
206.6807, 111.5913


 11.9890, 6.9796,
0.1150


 41.7452, 30.1232,
7.2211


 6.8083, 3.4493,
0.0000


 57.6199, 43.3033,
12.8871


 3.3878, 1.3706,
0.0000

 77.0814, 59.8569,
20.9370

 1.3620, 0.1949,
0.0000

 100.4952, 80.1684,
31.7891


 0.2289, 0.0000,
0.0000


 128.2266,
104.6221, 45.8620


 0.0000, 0.0000,
0.0000


 160.6410,


133.6024, 63.5743


 198.1037,
167.4938, 85.3446


 19.2951, 12.3457,
1.3660


 19.2951, 12.3457,
1.3660


 19.2953, 12.3462,
1.3661

 20.0699, 13.7272,
2.1430

 21.0762, 15.4227,
3.4563

 22.3581, 17.4620,
5.5006

 23.9392, 19.8652,
8.3674

 25.8402, 22.6507,
12.1349

■ 28.0798, 25.8354,
16.8720

■ 30.6749, 29.4351,
22.6407

■ 33.6415, 33.4647,
29.4980

■ 36.9943, 37.9384,
37.4965

Harmonies

Analogous

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



23.6312, 12.3457, 5.9827



19.2951, 12.3457, 1.3660



13.5639, 12.3457, 0.2486

Triad

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



19.2951, 12.3457, 1.3660



4.4732, 12.3457, 9.0450



15.3894, 12.3457, 61.1640

Complementary

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



19.2951, 12.3457, 1.3660



13.8680, 15.3554, 42.7902

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.



10.0769, 12.3457, 64.5718



19.2951, 12.3457, 1.3660



4.7007, 12.3457, 25.4132

Square

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



19.2951, 12.3457, 1.3660



5.7124, 12.3457, 2.2269



6.4624, 12.3457, 48.4618



20.9605, 12.3457, 41.0474

Rectangle

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



19.2951, 12.3457, 1.3660



10.1395, 12.3457, 0.2426



6.4624, 12.3457, 48.4618



13.4880, 12.3457, 64.6712

Sweetspot

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



19.2954, 12.3464, 1.3662



54.6802, 52.3636, 39.9647



20.8705, 10.3905, 17.6328



11.7120, 11.0296, 7.8917



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



19.2954, 12.3464, 1.3662



34.3744, 21.7459, 2.3857



27.9323, 29.6203, 4.2452



8.2214, 8.4476, 8.4106



13.8703, 8.9462, 0.9957



0.4376, 0.3524, 0.0450

Inverse Universe

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



13.8680, 15.3554, 42.7902



24.6264, 27.0796, 76.5658



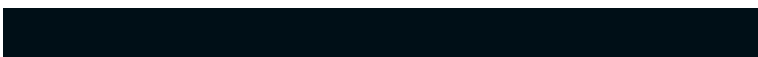
8.1814, 3.9822, 40.8946



8.0016, 8.6026, 10.1914



9.9901, 11.1141, 30.6632



0.3261, 0.4056, 0.8691

Previews

White Background



This preview shows how the XYZ color 19.2951, 12.3457, 1.3660 looks on a white background.

Color Contrast Check

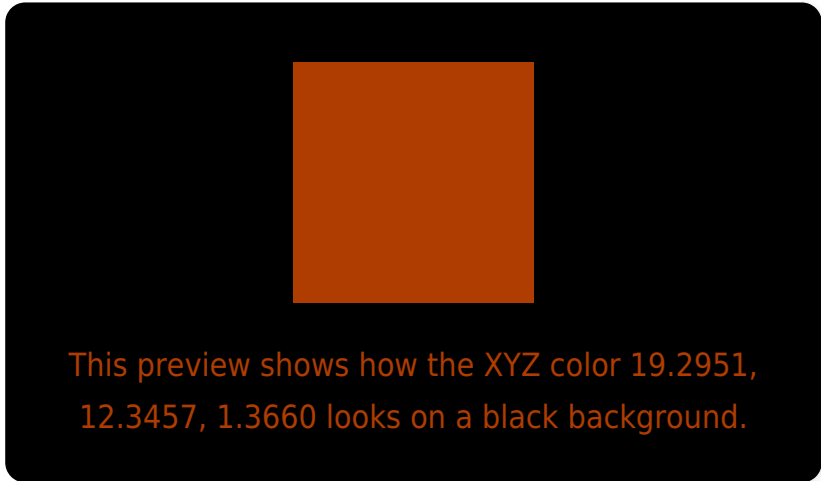
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 19.2951, 12.3457, 1.3660

Background



This preview shows how black text looks on a background with the XYZ color 19.2951, 12.3457, 1.3660.



This preview shows how white text looks on a background with the XYZ color 19.2951, 12.3457,

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

19.2951, 12.3457, 1.3660

Protanopia

11.3484, 12.6028, 2.4067

Deuteranopia

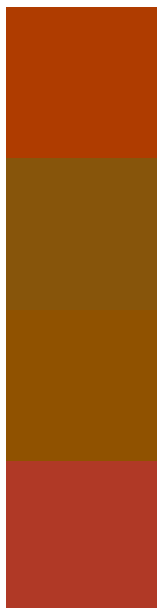
12.6069, 12.4410, 1.7369



Tritanopia

20.1081, 12.3742, 5.4663

Trichromacy



Original Color

19.2951, 12.3457, 1.3660

Protanomaly

13.3006, 11.6721, 1.8685

Deuteranomaly

14.5189, 11.9639, 1.5440

Tritanomaly

19.7175, 12.2963, 3.1679

Monochromacy



Original Color

19.2951, 12.3457, 1.3660

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

11.1839, 9.7274, 5.0295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2951, 12.3457, 1.3660 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(175, 60, 0)` looks like.

```
.text, #text, p{  
    color:rgb(175, 60, 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(175, 60, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 60, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.2951, 12.3457, 1.3660 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(175, 60, 0) }
```


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

```
.border{ border-color:rgb(175, 60, 0) }
```

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

Here you see how a box with a 4 pixel rgb(175, 60, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 60, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 60, 0);  
box-shadow:4px 4px 4px 4px rgb(175, 60, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.2951, 12.3457, 1.3660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 60, 0) }
```

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

```
.background{ background-color: rgb(175, 60,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor