

Converting Colors

XYZ(18.3351, 12.0611, 1.3617)

Have a look what the booklet for
XYZ(18.3351, 12.0611, 1.3617)
contains.

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Color

**XYZ(18.3551, 12.1011,
1.3683)**

Conversions

Conversions Part 1

Format	Color
Hex	AA3F00
RGB	170, 63, 0
RGB Percent	67%, 25%, 0%
CMY	0.3333, 0.7529, 1.0000
CMYK	0.00, 0.63, 1.00, 0.33
HSL	22°, 100%, 33%
HSV	22°, 100%, 67%
XYZ	18.3551, 12.1011, 1.3683
YIQ	87.8110, 83.9950, 3.0910

Conversions

Conversions Part 2

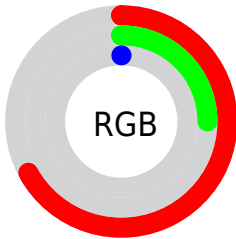
Format	Color
R_{YB}	170, 100, 0
Decimal	11157248
CIE Lab	41.38, 41.70, 52.43
CIE LCh	41, 66.986, 51.504
Yxy	12.1011, 0.5768, 0.3802
Android (android.graphics.Color)	4289347328 (0xFFAA3F00)
YUV	87.8110, -43.2908, 72.0798
Hunter-Lab	34.7866, 33.3086, 22.0185

Details

The XYZ color **18.3551, 12.1011, 1.3683** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **12.5127, 13.4164, 39.9601**, and the grayscale version is **9.3137, 9.7988, 10.6709**.

A 20% lighter version of the original color is **40.0990, 29.6931, 7.2323**, and **6.3501, 3.3380, 0.3096** is the 20% darker color. If you saturate the color by 10%, you get **18.3553, 12.1017, 1.3684**, and if you desaturate by 10%, it is **19.1079, 13.4449, 2.1184**.

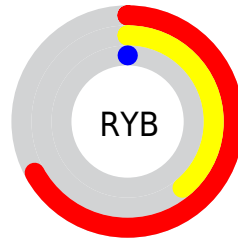
Distribution



Red (67%)

Green (25%)

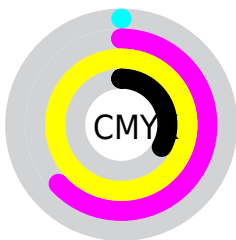
Blue (0%)



Red (67%)

Yellow (39%)

Blue (0%)

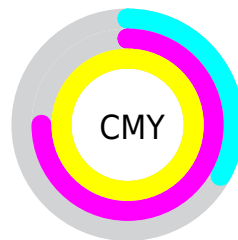


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (33%)



Cyan (33%)


Magenta (75%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 18.3551, 12.1011, 1.3683 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 18.3551, 12.1011, 1.3683 by changing the saturation by 10% instead.


 18.3551, 12.1011,
1.3683


 18.3551, 12.1011,
1.3683


 235.8721,
205.0735, 111.6345


 11.3065, 6.8126,
0.1168


 40.1668, 29.6791,
7.2280


 6.3422, 3.3452,
0.0000


 55.6607, 42.7374,
12.8974

 3.0969, 1.3145,
0.0000

 74.7002, 59.1543,
20.9511

 1.2052, 0.1524,
0.0000

 97.6509, 79.3144,
31.8078


 0.1105, 0.0000,
0.0000


 124.8781,
103.6019, 45.8860


 0.0000, 0.0000,
0.0000


 156.7471,


132.4014, 63.6041


 193.6233,
166.0971, 85.3808


 18.3551, 12.1011,
1.3683


 18.3551, 12.1011,
1.3683


 18.3553, 12.1017,
1.3684

 19.1079, 13.4449,
2.1184

 20.0681, 15.0653,
3.3637

 21.2767, 16.9884,
5.2898

 22.7548, 19.2312,
7.9817

 24.5208, 21.8091,
11.5118

■ 26.5914, 24.7366,
15.9438

■ 28.9818, 28.0269,
21.3354

■ 31.7060, 31.6927,
27.7392

■ 34.7773, 35.7459,
35.2041

Harmonies

Analogous

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



22.5724, 12.1011, 5.5984



18.3551, 12.1011, 1.3683



12.9385, 12.1011, 0.3557

Triad

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



18.3551, 12.1011, 1.3683



4.5134, 12.1011, 9.6040



15.2790, 12.1011, 57.0624

Complementary

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



18.3551, 12.1011, 1.3683



12.5127, 13.4164, 39.9601

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.



10.1755, 12.1011, 61.3346



18.3551, 12.1011, 1.3683



4.8136, 12.1011, 25.6244

Square

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



18.3551, 12.1011, 1.3683



5.6282, 12.1011, 2.5510



6.6100, 12.1011, 47.1876



20.4765, 12.1011, 37.8457

Rectangle

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



18.3551, 12.1011, 1.3683



9.7367, 12.1011, 0.3984



6.6100, 12.1011, 47.1876



13.4681, 12.1011, 60.6569

Sweetspot

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



18.3554, 12.1018, 1.3685



52.3331, 50.5096, 38.1315



19.2665, 9.6217, 14.9363



11.2613, 10.7038, 7.5706



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



18.3554, 12.1018, 1.3685



33.1124, 21.5742, 2.4190



27.0630, 29.5172, 4.2711



7.7504, 7.9808, 7.9212



13.5521, 9.0015, 1.0232



0.3788, 0.3171, 0.0412

Inverse Universe

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



12.5127, 13.4164, 39.9601



22.4883, 23.9131, 72.4323



7.5555, 3.5020, 38.3077



7.5103, 8.0576, 9.5778



9.2591, 9.9785, 29.4135



0.2717, 0.3357, 0.7311

Previews

White Background



This preview shows how the XYZ color 18.3551, 12.1011, 1.3683 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 18.3551, 12.1011, 1.3683

Background



This preview shows how black text looks on a background with the XYZ color 18.3551, 12.1011, 1.3683.



This preview shows how white text looks on a background with the XYZ color 18.3551, 12.1011,

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

18.3551, 12.1011, 1.3683

Protanopia

11.1186, 12.3437, 2.3269

Deuteranopia

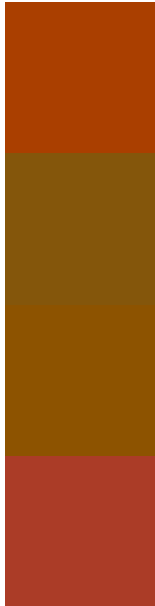
12.3149, 12.2905, 1.7232



Tritanopia

19.2281, 12.1337, 5.8860

Trichromacy



Original Color

18.3551, 12.1011, 1.3683

Protanomaly

12.9039, 11.5853, 1.8727

Deuteranomaly

14.0778, 11.8492, 1.5452

Tritanomaly

18.7767, 12.0361, 3.2530

Monochromacy



Original Color

18.3551, 12.1011, 1.3683

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.9810, 9.7290, 5.0405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3551, 12.1011, 1.3683 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(170, 63, 0)` looks like.

```
.text, #text, p{  
    color:rgb(170, 63, 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(170, 63, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 63, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.3551, 12.1011, 1.3683 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(170, 63, 0) }
```


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

```
.border{ border-color:rgb(170, 63, 0) }
```

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

Here you see how a box with a 4 pixel rgb(170, 63, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 63, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 63, 0);  
box-shadow:4px 4px 4px 4px rgb(170, 63, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.3551, 12.1011, 1.3683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 63, 0) }
```

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

```
.background{ background-color: rgb(170, 63,  
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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