

Converting Colors

XYZ(15.0087, 10.9582, 2.5570)

Have a look what the booklet for
XYZ(15.0087, 10.9582, 2.5570)
contains.

XYZ(15.0022, 10.9581, 2.5527)	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(15.0022, 10.9581,
2.5527)**

Conversions

Conversions Part 1

Format	Color
Hex	96461E
RGB	150, 70, 30
RGB Percent	59%, 27%, 12%
CMY	0.4118, 0.7255, 0.8823
CMYK	0.00, 0.53, 0.80, 0.41
HSL	20°, 67%, 35%
HSV	20°, 80%, 59%
XYZ	15.0022, 10.9581, 2.5527
YIQ	89.3600, 60.5200, 4.5200

Conversions

Conversions Part 2

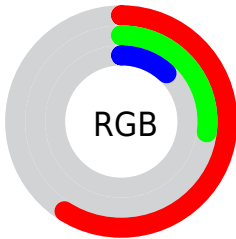
Format	Color
R_{YB}	150, 90, 30
Decimal	9848350
CIE Lab	39.51, 30.95, 38.47
CIE LCh	40, 49.370, 51.181
Yxy	10.9581, 0.5262, 0.3843
Android (android.graphics.Color)	4288038430 (0xFF96461E)
YUV	89.3600, -29.2645, 53.1813
Hunter-Lab	33.1030, 22.9654, 18.6000

Details

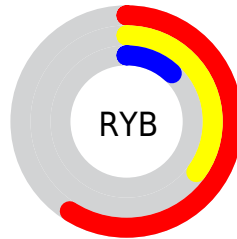
The XYZ color **15.0022, 10.9581, 2.5527** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.6159, 13.6289, 30.8724**, and the grayscale version is **9.6293, 10.1308, 11.0324**.

A 20% lighter version of the original color is **34.3505, 27.5241, 10.5234**, and **4.8011, 2.9010, 0.3069** is the 20% darker color. If you saturate the color by 10%, you get **14.2800, 9.7508, 1.5814**, and if you desaturate by 10%, it is **15.9203, 12.4115, 4.0393**.

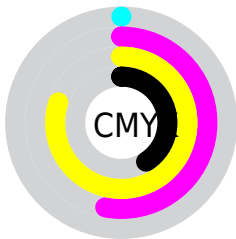
Distribution



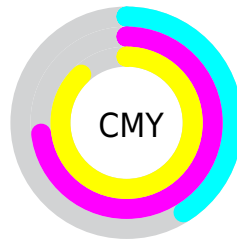
- Red (59%)
- Green (27%)
- Blue (12%)



- Red (59%)
- Yellow (35%)
- Blue (12%)



- Cyan (0%)
- Magenta (53%)
- Yellow (80%)
- Black (41%)





- Cyan (41%)
- Magenta (73%)
- Yellow (88%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.0022, 10.9581, 2.5527 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 15.0022, 10.9581, 2.5527 by changing the saturation by 10% instead.


 15.0022, 10.9581,
2.5527


 15.0022, 10.9581,
2.5527


216.7676,
197.3799, 130.4422


 8.9073, 6.0387,
0.8679


 34.4287, 27.5827,
10.5032


 4.7374, 2.8686,
0.0000

 48.4909, 40.0566,
17.6091


 2.1272, 1.0635,
0.0000

 65.9396, 55.8174,
27.3602

 0.7039, 0.0000,
0.0000

 87.1401, 75.2497,
40.1750

 0.0000, 0.0000,
0.0000

 112.4578, 98.7376,
56.4721

 142.2581,

126.6657, 76.6699

176.9062,
159.4183, 101.1871

15.0022, 10.9581,
2.5527

15.0022, 10.9581,
2.5527

14.2800, 9.7508,
1.5814

15.9203, 12.4115,
4.0393

13.7185, 8.7657,
0.9689

17.0497, 14.1232,
6.1025

13.7185, 8.7657,
0.9689

18.4051, 16.1070,
8.7957

19.9993, 18.3746,
12.1656

21.8442, 20.9374,
16.2548

■ 23.9507, 23.8058,
21.1022

■ 26.3291, 26.9897,
26.7438

■ 28.9891, 30.4988,
33.2134

■ 31.9400, 34.3421,
40.5429

Harmonies

Analogous

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



17.6579, 10.9581, 6.4263



15.0022, 10.9581, 2.5527



11.4354, 10.9581, 1.4059

Triad

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



15.0022, 10.9581, 2.5527



5.2551, 10.9581, 9.3186



12.9228, 10.9581, 38.7577

Complementary

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



15.0022, 10.9581, 2.5527



11.6159, 13.6289, 30.8724

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.



9.4578, 10.9581, 41.0588



15.0022, 10.9581, 2.5527



5.4861, 10.9581, 19.9235

Square

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



15.0022, 10.9581, 2.5527



6.1564, 10.9581, 3.6962



6.8740, 10.9581, 32.8741



16.2894, 10.9581, 27.6525

Rectangle

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



15.0022, 10.9581, 2.5527



9.2146, 10.9581, 1.4379



6.8740, 10.9581, 32.8741



11.7162, 10.9581, 40.7584

Sweetspot

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



15.0024, 10.9587, 2.5529



40.5465, 39.6797, 33.2443



15.8564, 8.5384, 15.5642



8.7233, 8.4356, 6.7660



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.0024, 10.9587, 2.5529



24.4154, 15.8121, 1.9878



20.7946, 22.5430, 4.4836



5.9494, 6.1125, 6.1067



11.4050, 7.3243, 0.8126



0.1646, 0.1396, 0.0183

Inverse Universe

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



11.6159, 13.6289, 30.8724



18.0332, 20.3781, 53.9042



7.1811, 4.7593, 29.3942



5.8029, 6.2397, 7.3683



8.3751, 9.4451, 25.3127



0.1297, 0.1700, 0.3189

Previews

White Background



This preview shows how the XYZ color 15.0022, 10.9581, 2.5527 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



This preview shows how the XYZ color 15.0022, 10.9581, 2.5527 looks on a 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 15.0022, 10.9581, 2.5527

Background



This preview shows how black text looks on a background with the XYZ color 15.0022, 10.9581, 2.5527.



This preview shows how white text looks on a background with the XYZ color 15.0022, 10.9581,

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

15.0022, 10.9581, 2.5527

Protanopia

10.1468, 11.1360, 3.2837

Deuteranopia

11.1982, 11.0582, 2.3548



Tritanopia

16.0026, 11.0140, 7.0768

Trichromacy



Original Color

15.0022, 10.9581, 2.5527

Protanomaly

11.4224, 10.6774, 2.9723

Deuteranomaly

12.4097, 10.8550, 2.4184

Tritanomaly

15.4592, 10.8695, 4.8977

Monochromacy



Original Color

15.0022, 10.9581, 2.5527

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.6162, 9.8314, 6.8070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0022, 10.9581, 2.5527 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(150, 70, 30)` looks like.

```
.text, #text, p{  
    color:rgb(150, 70, 30)  
}
```

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(150, 70, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 70, 30) }
```

Border

The CSS property to change the border of an element to XYZ 15.0022, 10.9581, 2.5527 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(150, 70, 30) }
```


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

```
.border{ border-color:rgb(150, 70, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 70, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 70, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 70, 30);  
box-shadow:4px 4px 4px 4px rgb(150, 70,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0022, 10.9581, 2.5527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 70, 30) }
```

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

```
.background{ background-color: rgb(150, 70,  
30) }
```

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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