

Converting Colors

XYZ(15.0657, 23.2972, 12.3575)

Have a look what the booklet for
XYZ(15.0657, 23.2972, 12.3575)
contains.

XYZ(15.0536, 23.2915, 12.2966)	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(15.0536, 23.2915,
12.2966)**

Conversions

Conversions Part 1

Format	Color
Hex	4A9455
RGB	74, 148, 85
RGB Percent	29%, 58%, 33%
CMY	0.7098, 0.4196, 0.6667
CMYK	0.50, 0.00, 0.43, 0.42
HSL	129°, 33%, 44%
HSV	129°, 50%, 58%
XYZ	15.0536, 23.2915, 12.2966
YIQ	118.6920, -23.8810, -35.2810

Conversions

Conversions Part 2

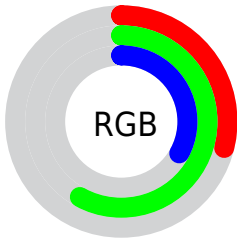
Format	Color
R_{YB}	74, 138, 148
Decimal	4887637
CIE _{Lab}	55.37, -37.11, 26.38
CIE _{LCh}	55, 45.533, 144.593
Yxy	23.2915, 0.2973, 0.4599
Android (android.graphics.Color)	4283077717 (0xFF4A9455)
YUV	118.6920, -16.6102, -39.1949
Hunter-Lab	48.2613, -28.7797, 18.6763

Details

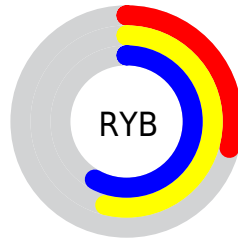
The XYZ color **15.0536, 23.2915, 12.2966** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **19.1776, 13.0000, 25.1661**, and the grayscale version is **17.4939, 18.4049, 20.0430**.

A 20% lighter version of the original color is **34.6312, 49.0503, 30.5641**, and **4.7138, 8.5990, 3.2451** is the 20% darker color. If you saturate the color by 10%, you get **13.5887, 22.5898, 9.8439**, and if you desaturate by 10%, it is **16.8769, 24.1690, 15.2325**.

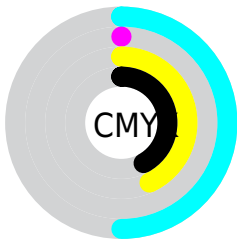
Distribution



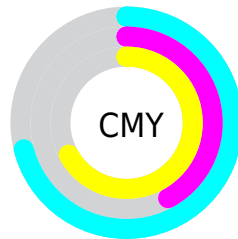
- Red (29%)
- Green (58%)
- Blue (33%)



- Red (29%)
- Yellow (54%)
- Blue (58%)



- Cyan (50%)
- Magenta (0%)
- Yellow (43%)
- Black (42%)



- Cyan (71%)
- Magenta (42%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0536, 23.2915, 12.2966 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 15.0536, 23.2915, 12.2966 by changing the saturation by 10% instead.

■ 15.0536, 23.2915,
12.2966

■ 15.0536, 23.2915,
12.2966

217.0724,
269.2187, 217.4062

■ 8.9436, 14.8089,
6.8210

■ 34.5181, 48.8715,
30.7066

■ 4.7612, 8.6854,
3.2737

■ 48.6032, 66.7377,
44.4781

■ 2.1412, 4.5365,
1.2360

■ 66.0775, 88.5006,
61.8520

■ 0.7114, 1.9780,
0.0085

■ 87.3061, 114.5445,
83.2468

■ 0.0000, 0.5946,
0.0000

■ 112.6546,
145.2539, 109.0811

■ 0.0000, 0.0000,
0.0000

142.4882,

181.0131, 139.7734

177.1724,
222.2066, 175.7423

■ 15.0536, 23.2915,
12.2966

■ 15.0536, 23.2915,
12.2966

■ 13.5887, 22.5898,
9.8439

■ 16.8769, 24.1690,
15.2325

■ 12.4567, 22.0492,
7.8469

■ 19.0785, 25.2301,
18.6739

■ 11.6313, 21.6576,
6.2780

■ 21.6790, 26.4855,
22.6436

■ 11.0816, 21.3996,
5.1057

■ 24.6966, 27.9443,
27.1625

■ 10.7352, 21.2386,
4.2928

■ 28.1489, 29.6150,
32.2505

■ 32.0521, 31.5056,
37.9264

■ 36.4218, 33.6237,
44.2082

■ 41.2726, 35.9766,
51.1132

■ 46.6188, 38.5712,
58.6577

Harmonies

Analogous

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



18.2938, 23.2915, 7.4090



15.0536, 23.2915, 12.2966



13.7229, 23.2915, 22.7991

Triad

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



15.0536, 23.2915, 12.2966



21.2245, 23.2915, 64.9797



32.3330, 23.2915, 15.3560

Complementary

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



15.0536, 23.2915, 12.2966



19.1776, 13.0000, 25.1661

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.



33.4369, 23.2915, 28.1068



15.0536, 23.2915, 12.2966



26.4860, 23.2915, 60.5376

Square

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



15.0536, 23.2915, 12.2966



16.9170, 23.2915, 55.9220



31.1552, 23.2915, 45.4180



28.3355, 23.2915, 8.6394

Rectangle

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



15.0536, 23.2915, 12.2966



13.9226, 23.2915, 33.1353



31.1552, 23.2915, 45.4180



33.0783, 23.2915, 18.9082

Sweetspot

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



15.0542, 23.2925, 12.2971



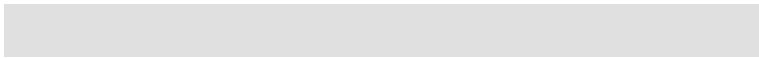
40.6593, 47.8948, 43.5771



22.3301, 27.0900, 10.5306



9.0531, 10.8229, 9.6047



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.



15.0542, 23.2925, 12.2971



23.7064, 39.7281, 16.9049



16.8576, 24.0138, 21.7936



5.7627, 6.4817, 6.3611



9.1760, 18.1432, 3.7023



0.1190, 0.2247, 0.0807

Inverse Universe

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



19.1776, 13.0000, 25.1661



31.8265, 19.4103, 42.2114



17.0176, 12.1360, 13.7921



5.9986, 5.8945, 7.0990



13.6561, 6.6675, 17.4677



0.1753, 0.0849, 0.2565

Previews

White Background



This preview shows how the XYZ color 15.0536, 23.2915, 12.2966 looks on a white 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

Black Background



This preview shows how the XYZ color 15.0536, 23.2915, 12.2966 looks on a black 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

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

XYZ 15.0536, 23.2915, 12.2966

Background



This preview shows how black text looks on a background with the XYZ color 15.0536, 23.2915, 12.2966.



This preview shows how white text looks on a background with the XYZ color 15.0536, 23.2915,

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

15.0536, 23.2915, 12.2966

Protanopia

21.1641, 22.9963, 10.7204

Deuteranopia

23.4069, 22.9290, 12.8649



Tritanopia

19.1654, 23.1470, 33.1635

Trichromacy



Original Color

15.0536, 23.2915, 12.2966

Protanomaly

18.1814, 22.6930, 11.2065

Deuteranomaly

19.0389, 22.2668, 12.5270

Tritanomaly

17.3749, 23.0883, 23.9628

Monochromacy



Original Color

15.0536, 23.2915, 12.2966

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

16.2300, 19.9104, 16.8976

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0536, 23.2915, 12.2966 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(74, 148, 85)` looks like.

```
.text, #text, p{  
    color:rgb(74, 148, 85)  
}
```

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(74, 148, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 148, 85) }
```

Border

The CSS property to change the border of an element to XYZ 15.0536, 23.2915, 12.2966 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(74, 148, 85) }
```


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

```
.border{ border-color:rgb(74, 148, 85) }
```

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

Here you see how a box with a 4 pixel rgb(74, 148, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 148, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 148, 85);  
box-shadow:4px 4px 4px 4px rgb(74, 148,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0536, 23.2915, 12.2966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 148, 85) }
```

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

```
.background{ background-color: rgb(74, 148,  
85) }
```

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