

Converting Colors

XYZ(14.9576, 23.0875, 14.4769)

Have a look what the booklet for
XYZ(14.9576, 23.0875, 14.4769)
contains.

XYZ(15.0394, 23.2350, 14.5186)	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(15.0394, 23.2350,
14.5186)**

Conversions

Conversions Part 1

Format	Color
Hex	44945F
RGB	68, 148, 95
RGB Percent	27%, 58%, 37%
CMY	0.7333, 0.4196, 0.6274
CMYK	0.54, 0.00, 0.36, 0.42
HSL	140°, 37%, 42%
HSV	140°, 54%, 58%
XYZ	15.0394, 23.2350, 14.5186
YIQ	118.0380, -30.6670, -33.4430

Conversions

Conversions Part 2

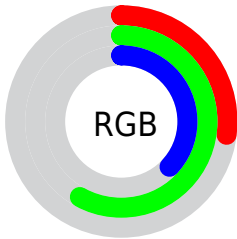
Format	Color
R_{YB}	68, 128, 148
Decimal	4494431
CIE _{Lab}	55.31, -36.95, 20.78
CIE _{LCh}	55, 42.390, 150.649
Yxy	23.2350, 0.2849, 0.4401
Android (android.graphics.Color)	4282684511 (0xFF44945F)
YUV	118.0380, -11.3577, -43.8833
Hunter-Lab	48.2027, -28.6621, 15.8838

Details

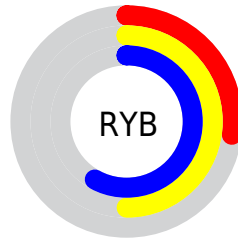
The XYZ color **15.0394, 23.2350, 14.5186** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **17.7319, 11.8112, 19.4354**, and the grayscale version is **17.2737, 18.1732, 19.7907**.

A 20% lighter version of the original color is **34.5703, 48.9248, 34.8155**, and **4.7164, 8.5791, 4.2037** is the 20% darker color. If you saturate the color by 10%, you get **13.7167, 22.6021, 12.2749**, and if you desaturate by 10%, it is **16.6801, 24.0267, 17.0711**.

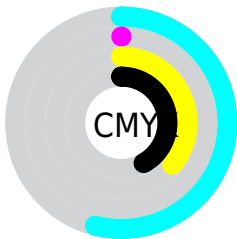
Distribution



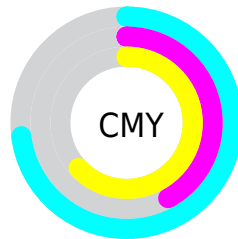
- Red (27%)
- Green (58%)
- Blue (37%)



- Red (27%)
- Yellow (50%)
- Blue (58%)



- Cyan (54%)
- Magenta (0%)
- Yellow (36%)
- Black (42%)





- Cyan (73%)
- Magenta (42%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.0394, 23.2350, 14.5186 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 15.0394, 23.2350, 14.5186 by changing the saturation by 10% instead.


 15.0394, 23.2350,
14.5186


 15.0394, 23.2350,
14.5186


216.9882,
268.9297, 231.9732


 8.9335, 14.7671,
8.3394


 34.4934, 48.7789,
34.7367


 4.7546, 8.6561,
4.2220


 48.5722, 66.6237,
49.6126


 2.1373, 4.5176,
1.7479

 66.0394, 88.3630,
68.2246

 0.7094, 1.9671,
0.3933

 87.2603, 114.3811,
90.9911

 0.0000, 0.5882,
0.0000

 112.6003,
145.0624, 118.3306

 0.0000, 0.0000,
0.0000

142.4247,

180.7914, 150.6618

177.0989,
221.9523, 188.4031

■ 15.0394, 23.2350,
14.5186

■ 15.0394, 23.2350,
14.5186

■ 13.7167, 22.6021,
12.2749

■ 16.6801, 24.0267,
17.0711

■ 12.6880, 22.1138,
10.3266

■ 18.6568, 24.9842,
19.9420

■ 11.9288, 21.7585,
8.6615

■ 20.9884, 26.1177,
23.1425

■ 11.4090, 21.5209,
7.2659

■ 23.6916, 27.4358,
26.6828

■ 11.1650, 21.4105,
6.5561

■ 26.7824, 28.9462,
30.5724

■ 30.2755, 30.6566,
34.8208

■ 34.1850, 32.5739,
39.4368

■ 38.5243, 34.7048,
44.4291

■ 43.3060, 37.0558,
49.8060

Harmonies

Analogous

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



17.7464, 23.2350, 8.8046



15.0394, 23.2350, 14.5186



14.1502, 23.2350, 25.5964

Triad

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



15.0394, 23.2350, 14.5186



22.1878, 23.2350, 61.5199



30.9138, 23.2350, 14.1670

Complementary

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



15.0394, 23.2350, 14.5186



17.7319, 11.8112, 19.4354

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.



32.5378, 23.2350, 25.0038



15.0394, 23.2350, 14.5186



27.0768, 23.2350, 55.1469

Square

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



15.0394, 23.2350, 14.5186



17.9017, 23.2350, 55.6465



31.0434, 23.2350, 40.4141



26.8721, 23.2350, 8.6588

Rectangle

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



15.0394, 23.2350, 14.5186



14.5904, 23.2350, 35.6935



31.0434, 23.2350, 40.4141



31.7845, 23.2350, 17.1481

Sweetspot

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



15.0400, 23.2360, 14.5191



40.6614, 47.8509, 45.6098



19.5661, 25.6873, 9.3961



9.0755, 10.8225, 10.1431



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.



15.0400, 23.2360, 14.5191



23.7503, 39.6636, 20.8416



17.3243, 24.1497, 26.5481



5.8055, 6.4988, 6.5869



9.5480, 18.2920, 5.6613



0.1296, 0.2290, 0.1362

Inverse Universe

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



17.7319, 11.8112, 19.4354



29.0007, 17.2951, 30.3675



15.7783, 11.0298, 9.1480



5.9530, 5.8762, 6.8584



12.3298, 6.1370, 10.4838



0.1647, 0.0806, 0.2009

Previews

White Background



This preview shows how the XYZ color 15.0394, 23.2350, 14.5186 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 15.0394, 23.2350, 14.5186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

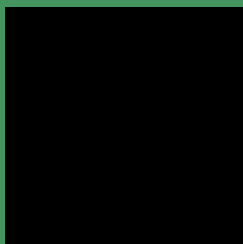
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.0394, 23.2350, 14.5186

Background



This preview shows how black text looks on a background with the XYZ color 15.0394, 23.2350, 14.5186.



This preview shows how white text looks on a background with the XYZ color 15.0394, 23.2350,

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

15.0394, 23.2350, 14.5186

Protanopia

21.3404, 23.0467, 12.5562

Deuteranopia

23.2787, 22.8104, 15.2325



Tritanopia

18.7597, 23.1558, 33.1865

Trichromacy



Original Color

15.0394, 23.2350, 14.5186

Protanomaly

18.1793, 22.6453, 13.3104

Deuteranomaly

18.8981, 22.1430, 14.8333

Tritanomaly

17.2119, 23.2049, 25.0446

Monochromacy



Original Color

15.0394, 23.2350, 14.5186

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

15.9203, 19.5356, 17.6835

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0394, 23.2350, 14.5186 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(68, 148, 95)` looks like.

```
.text, #text, p{  
    color:rgb(68, 148, 95)  
}
```

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(68, 148, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 148, 95) }
```

Border

The CSS property to change the border of an element to XYZ 15.0394, 23.2350, 14.5186 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(68, 148, 95) }
```


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

```
.border{ border-color:rgb(68, 148, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 148, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 148, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 148, 95);  
box-shadow:4px 4px 4px 4px rgb(68, 148,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0394, 23.2350, 14.5186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 148, 95) }
```

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

```
.background{ background-color: rgb(68, 148,  
95) }
```

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