

Converting Colors

XYZ(15.0919, 23.0859, 21.4550)

Have a look what the booklet for
XYZ(15.0919, 23.0859, 21.4550)
contains.

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Color

**XYZ(15.1068, 23.1167,
21.4351)**

Conversions

Conversions Part 1

Format	Color
Hex	2E9478
RGB	46, 148, 120
RGB Percent	18%, 58%, 47%
CMY	0.8196, 0.4196, 0.5294
CMYK	0.69, 0.00, 0.19, 0.42
HSL	164°, 53%, 38%
HSV	164°, 69%, 58%
XYZ	15.1068, 23.1167, 21.4351
YIQ	114.3100, -51.8040, -30.3320

Conversions

Conversions Part 2

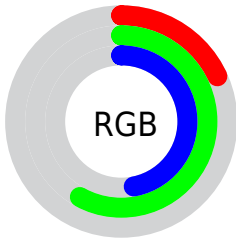
Format	Color
R_{YB}	46, 105, 148
Decimal	3052664
CIE _{Lab}	55.19, -36.02, 6.40
CIE _{LCh}	55, 36.586, 169.927
Yxy	23.1167, 0.2532, 0.3875
Android (android.graphics.Color)	4281242744 (0xFF2E9478)
YUV	114.3100, 2.8052, -59.9079
Hunter-Lab	48.0798, -28.0546, 7.2230

Details

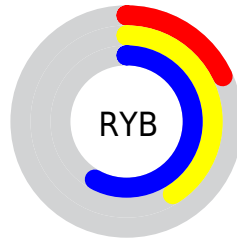
The XYZ color **15.1068, 23.1167, 21.4351** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.4266, 8.7449, 7.4071**, and the grayscale version is **16.0910, 16.9290, 18.4356**.

A 20% lighter version of the original color is **34.6280, 48.6937, 46.6035**, and **5.3526, 8.8336, 7.5538** is the 20% darker color. If you saturate the color by 10%, you get **14.3103, 22.7346, 20.1382**, and if you desaturate by 10%, it is **16.1449, 23.6233, 22.7990**.

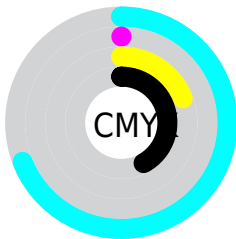
Distribution



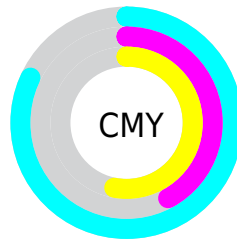
- Red (18%)
- Green (58%)
- Blue (47%)



- Red (18%)
- Yellow (41%)
- Blue (58%)



- Cyan (69%)
- Magenta (0%)
- Yellow (19%)
- Black (42%)



- Cyan (82%)
- Magenta (42%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1068, 23.1167, 21.4351 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 15.1068, 23.1167, 21.4351 by changing the saturation by 10% instead.

■ 15.1068, 23.1167,
21.4351

■ 15.1068, 23.1167,
21.4351

217.3873,
268.3238, 272.4385

■ 8.9812, 14.6797,
13.2481

■ 34.6105, 48.5849,
46.7007

■ 4.7859, 8.5949,
7.4669

■ 48.7194, 66.3848,
64.6164

■ 2.1557, 4.4779,
3.6729

■ 66.2200, 88.0746,
86.6120

■ 0.7192, 1.9443,
1.4477

■ 87.4778, 114.0385,
113.1061

■ 0.0000, 0.5748,
0.1785

■ 112.8580,
144.6610, 144.5173

■ 0.0000, 0.0000,
0.0000

■ 142.7261,

180.3265, 181.2640

177.4474,
221.4193, 223.7649

■ 15.1068, 23.1167,
21.4351

■ 15.1068, 23.1167,
21.4351

■ 14.3103, 22.7346,
20.1382

■ 16.1449, 23.6233,
22.7990

■ 13.7286, 22.4614,
18.9048

■ 17.4441, 24.2628,
24.2299

■ 13.3071, 22.2696,
17.7321

■ 19.0242, 25.0458,
25.7298

■ 13.2637, 22.2500,
17.6084

■ 20.9021, 25.9811,
27.3003

■ 23.0938, 27.0768,
28.9427

■ 25.6138, 28.3406,
30.6582

■ 28.4760, 29.7794,
32.4482

■ 31.6931, 31.4000,
34.3138

■ 35.2775, 33.2085,
36.2561

Harmonies

Analogous

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



16.4900, 23.1167, 13.2832



15.1068, 23.1167, 21.4351



15.3806, 23.1167, 33.6466

Triad

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



15.1068, 23.1167, 21.4351



24.7605, 23.1167, 52.8131



27.4293, 23.1167, 11.5769

Complementary

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



15.1068, 23.1167, 21.4351



14.4266, 8.7449, 7.4071

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.



30.2192, 23.1167, 18.2522



15.1068, 23.1167, 21.4351



28.5508, 23.1167, 42.6177

Square

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



15.1068, 23.1167, 21.4351



20.6256, 23.1167, 54.4700



30.6533, 23.1167, 29.3157



23.3752, 23.1167, 8.8772

Rectangle

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



15.1068, 23.1167, 21.4351



16.4793, 23.1167, 42.5550



30.6533, 23.1167, 29.3157



28.5663, 23.1167, 13.3121

Sweetspot

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



15.1074, 23.1176, 21.4356



39.7252, 47.2629, 50.3289



13.9776, 22.8698, 6.2628



8.8447, 10.6772, 11.3234



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.



15.1074, 23.1176, 21.4356



24.6165, 39.8139, 34.2687



13.9208, 17.6160, 30.6845



5.8969, 6.5353, 7.0678



11.3408, 19.0091, 15.1021



0.1513, 0.2376, 0.2504

Inverse Universe

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



14.4266, 8.7449, 7.4071



23.3868, 12.6927, 8.0712



14.7798, 10.6402, 3.8600



5.8623, 5.8400, 6.3812



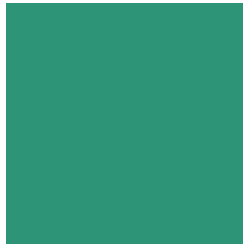
10.7783, 5.5164, 2.3137



0.1430, 0.0720, 0.0868

Previews

White Background



This preview shows how the XYZ color 15.1068, 23.1167, 21.4351 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 15.1068, 23.1167, 21.4351 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 15.1068, 23.1167, 21.4351

Background



This preview shows how black text looks on a background with the XYZ color 15.1068, 23.1167, 21.4351.



This preview shows how white text looks on a background with the XYZ color 15.1068, 23.1167,

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

15.1068, 23.1167, 21.4351

Protanopia

21.4668, 22.7836, 18.3052

Deuteranopia

23.1451, 22.7704, 22.5773



Tritanopia

17.7255, 23.0356, 34.5224

Trichromacy



Original Color

15.1068, 23.1167, 21.4351

Protanomaly

17.8086, 22.1095, 19.2485

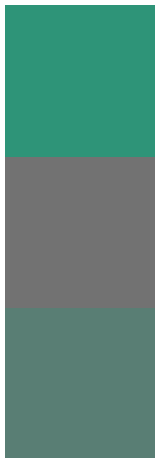
Deuteranomaly

18.6695, 22.0730, 22.0154

Tritanomaly

16.6388, 23.0445, 29.1623

Monochromacy



Original Color

15.1068, 23.1167, 21.4351

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

14.7331, 18.3065, 19.2800

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1068, 23.1167, 21.4351 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(46, 148, 120)` looks like.

```
.text, #text, p{  
    color:rgb(46, 148, 120)  
}
```

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(46, 148, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 148, 120) }
```

Border

The CSS property to change the border of an element to XYZ 15.1068, 23.1167, 21.4351 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(46, 148, 120) }
```


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

```
.border{ border-color:rgb(46, 148, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 148, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 148, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 148, 120);  
box-shadow:4px 4px 4px 4px rgb(46, 148,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1068, 23.1167, 21.4351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 148, 120) }
```

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

```
.background{ background-color: rgb(46, 148,  
120) }
```

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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