

Converting Colors

XYZ(15.1987, 21.6914, 21.7768)

Have a look what the booklet for
XYZ(15.1987, 21.6914, 21.7768)
contains.

XYZ(15.3002, 21.8411, 21.8217)	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(15.3002, 21.8411,
21.8217)**

Conversions

Conversions Part 1

Format	Color
Hex	408E7A
RGB	64, 142, 122
RGB Percent	25%, 56%, 48%
CMY	0.7490, 0.4431, 0.5216
CMYK	0.55, 0.00, 0.14, 0.44
HSL	165°, 38%, 40%
HSV	165°, 55%, 56%
XYZ	15.3002, 21.8411, 21.8217
YIQ	116.3980, -40.0680, -22.7560

Conversions

Conversions Part 2

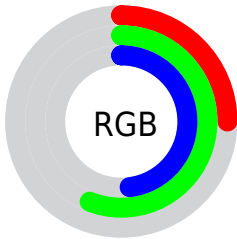
Format	Color
RYB	64, 109, 142
Decimal	4230778
CIELab	53.86, -29.12, 3.40
CIElCh	54, 29.318, 173.334
Yxy	21.8411, 0.2595, 0.3704
Android (android.graphics.Color)	4282420858 (0xFF408E7A)
YUV	116.3980, 2.7618, -45.9530
Hunter-Lab	46.7345, -23.3469, 5.0299

Details

The XYZ color **15.3002, 21.8411, 21.8217** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.5897, 10.0583, 9.5608**, and the grayscale version is **16.7238, 17.5947, 19.1607**.

A 20% lighter version of the original color is **34.8511, 46.3874, 47.1612**, and **4.9437, 7.9632, 7.5798** is the 20% darker color. If you saturate the color by 10%, you get **14.2705, 21.3364, 20.6181**, and if you desaturate by 10%, it is **16.5748, 22.4721, 23.0819**.

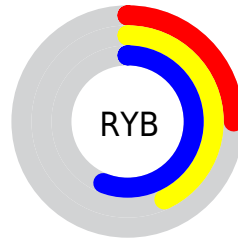
Distribution



Red (25%)

Green (56%)

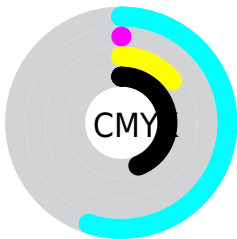
Blue (48%)



Red (25%)

Yellow (43%)

Blue (56%)

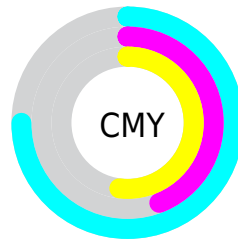


Cyan (55%)

Magenta (0%)

Yellow (14%)

Black (44%)



Cyan (75%)

Magenta (44%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3002, 21.8411, 21.8217 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 15.3002, 21.8411, 21.8217 by changing the saturation by 10% instead.

■ 15.3002, 21.8411,
21.8217

■ 15.3002, 21.8411,
21.8217

218.5287,
261.7153, 274.5368

■ 9.1180, 13.7402,
13.5289

■ 34.9463, 46.4832,
47.3495

■ 4.8760, 7.9402,
7.6587

■ 49.1410, 63.7932,
65.4216

■ 2.2087, 4.0567,
3.7927

■ 66.7372, 84.9417,
87.5906

■ 0.7473, 1.7053,
1.5123

■ 88.1002, 110.3131,
114.2749

■ 0.0000, 0.4271,
0.2271

■ 113.5956,
140.2918, 145.8931

■ 0.0000, 0.0000,
0.0000

143.5885,

175.2621, 182.8638

178.4444,
215.6085, 225.6055

■ 15.3002, 21.8411,
21.8217

■ 15.3002, 21.8411,
21.8217

■ 14.2705, 21.3364,
20.6181

■ 16.5748, 22.4721,
23.0819

■ 13.4654, 20.9460,
19.4681

■ 18.1087, 23.2354,
24.3984

■ 12.8647, 20.6600,
18.3709

■ 19.9177, 24.1394,
25.7728

■ 12.4403, 20.4639,
17.3247

■ 22.0154, 25.1912,
27.2062

■ 12.2535, 20.3788,
16.8116

■ 24.4146, 26.3975,
28.6998

■ 27.1276, 27.7645,
30.2545

■ 30.1656, 29.2980,
31.8712

■ 33.5395, 31.0036,
33.5509

■ 37.2596, 32.8867,
35.2945

Harmonies

Analogous

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



16.2654, 21.8411, 14.8453



15.3002, 21.8411, 21.8217



15.6744, 21.8411, 31.3443

Triad

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



15.3002, 21.8411, 21.8217



23.2549, 21.8411, 43.5567



24.5949, 21.8411, 12.3941

Complementary

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



15.3002, 21.8411, 21.8217



14.5897, 10.0583, 9.5608

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.



26.8398, 21.8411, 17.5446



15.3002, 21.8411, 21.8217



26.0130, 21.8411, 35.7320

Square

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



15.3002, 21.8411, 21.8217



20.0633, 21.8411, 45.5364



27.3833, 21.8411, 25.8547



21.4712, 21.8411, 10.3666

Rectangle

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



15.3002, 21.8411, 21.8217



16.6537, 21.8411, 37.8003



27.3833, 21.8411, 25.8547



25.4897, 21.8411, 13.7436

Sweetspot

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



15.3008, 21.8420, 21.8222



38.2697, 44.1443, 47.6128



14.3273, 21.6390, 8.2725



8.3952, 9.7833, 10.5330



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



15.3008, 21.8420, 21.8222



24.7816, 37.4372, 35.8526



14.1801, 17.4090, 28.2050



5.5020, 6.0930, 6.6094



11.0091, 18.2995, 15.1342



0.1142, 0.1785, 0.1918

Inverse Universe

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



14.5897, 10.0583, 9.5608



23.4151, 14.4317, 12.0232



15.1138, 12.1864, 6.4065



5.4621, 5.4454, 5.9315



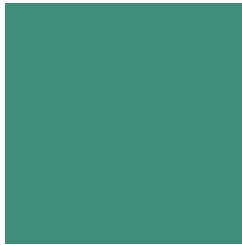
10.3141, 5.2827, 2.0395



0.1065, 0.0537, 0.0611

Previews

White Background



This preview shows how the XYZ color 15.3002, 21.8411, 21.8217 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 15.3002, 21.8411, 21.8217 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 15.3002, 21.8411, 21.8217

Background



This preview shows how black text looks on a background with the XYZ color 15.3002, 21.8411, 21.8217.

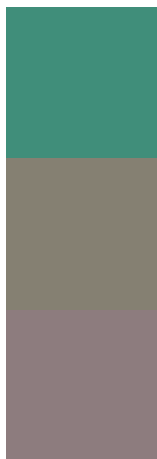


This preview shows how white text looks on a background with the XYZ color 15.3002, 21.8411,

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

15.3002, 21.8411, 21.8217

Protanopia

20.4293, 21.6398, 19.0197

Deuteranopia

21.9581, 21.5844, 22.7476



Tritanopia

17.2609, 21.7634, 31.7248

Trichromacy



Original Color

15.3002, 21.8411, 21.8217

Protanomaly

17.7828, 21.2476, 19.9936

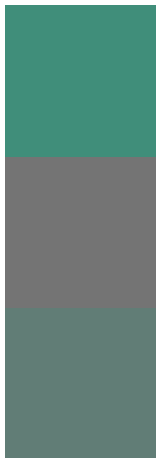
Deuteranomaly

18.6280, 21.2240, 22.5169

Tritanomaly

16.4186, 21.6314, 27.7360

Monochromacy



Original Color

15.3002, 21.8411, 21.8217

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.5334, 18.5166, 19.8949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3002, 21.8411, 21.8217 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(64, 142, 122)` looks like.

```
.text, #text, p{  
    color:rgb(64, 142, 122)  
}
```

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(64, 142, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 142, 122) }
```

Border

The CSS property to change the border of an element to XYZ 15.3002, 21.8411, 21.8217 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(64, 142, 122) }
```


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

```
.border{ border-color:rgb(64, 142, 122) }
```

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

Here you see how a box with a 4 pixel rgb(64, 142, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 142, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 142, 122);  
box-shadow:4px 4px 4px 4px rgb(64, 142,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3002, 21.8411, 21.8217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 142, 122) }
```

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

```
.background{ background-color: rgb(64, 142,  
122) }
```

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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