

Converting Colors

XYZ(15.2630, 20.7974, 22.0105)

Have a look what the booklet for
XYZ(15.2630, 20.7974, 22.0105)
contains.

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Color

**XYZ(15.1933, 20.6991,
21.9334)**

Conversions

Conversions Part 1

Format	Color
Hex	48897B
RGB	72, 137, 123
RGB Percent	28%, 54%, 48%
CMY	0.7176, 0.4627, 0.5176
CMYK	0.47, 0.00, 0.10, 0.46
HSL	167°, 31%, 41%
HSV	167°, 47%, 54%
XYZ	15.1933, 20.6991, 21.9334
YIQ	115.9690, -34.2460, -18.1340

Conversions

Conversions Part 2

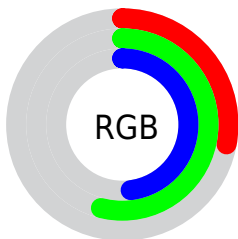
Format	Color
R_{YB}	72, 108, 137
Decimal	4753787
CIE _{Lab}	52.62, -24.41, 1.07
CIE _{LCh}	53, 24.436, 177.497
Y _{xy}	20.6991, 0.2627, 0.3580
Android (android.graphics.Color)	4282943867 (0xFF48897B)
YUV	115.9690, 3.4663, -38.5608
Hunter-Lab	45.4963, -20.0091, 3.2641

Details

The XYZ color **15.1933, 20.6991, 21.9334** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.3143, 10.6256, 10.1014**, and the grayscale version is **16.5887, 17.4526, 19.0059**.

A 20% lighter version of the original color is **34.8261, 44.7167, 47.3531**, and **4.8412, 7.4124, 7.6541** is the 20% darker color. If you saturate the color by 10%, you get **14.1017, 20.1579, 20.9328**, and if you desaturate by 10%, it is **16.5192, 21.3615, 22.9750**.

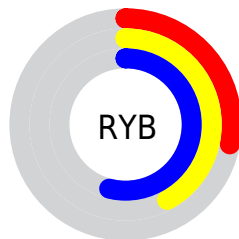
Distribution



Red (28%)

Green (54%)

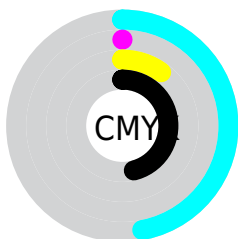
Blue (48%)



Red (28%)

Yellow (42%)

Blue (54%)

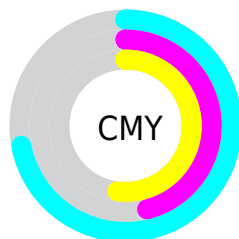


Cyan (47%)

Magenta (0%)

Yellow (10%)

Black (46%)



Cyan (72%)

Magenta (46%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1933, 20.6991, 21.9334 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 15.1933, 20.6991, 21.9334 by changing the saturation by 10% instead.

■ 15.1933, 20.6991,
21.9334

■ 15.1933, 20.6991,
21.9334

217.8985,
255.6750, 275.1404

■ 9.0424, 12.9042,
13.6101

■ 34.7608, 44.5862,
47.5367

■ 4.8262, 7.3626,
7.7144

■ 48.9081, 61.4472,
65.6538

■ 2.1793, 3.6899,
3.8276

■ 66.4515, 82.0991,
87.8725

■ 0.7318, 1.5017,
1.5312

■ 87.7565, 106.9263,
114.6115

■ 0.0000, 0.2899,
0.2410

■ 113.1883,
136.3130, 146.2892

■ 0.0000, 0.0000,
0.0000

143.1123,

170.6438, 183.3243

177.8939,
210.3030, 226.1352

■ 15.1933, 20.6991,
21.9334

■ 15.1933, 20.6991,
21.9334

■ 14.1017, 20.1579,
20.9328

■ 16.5192, 21.3615,
22.9750

■ 13.2275, 19.7276,
19.9707

■ 18.0918, 22.1498,
24.0570

■ 12.5538, 19.4001,
19.0466

■ 19.9242, 23.0715,
25.1807

■ 12.0609, 19.1651,
18.1592

■ 22.0286, 24.1328,
26.3470

■ 11.7097, 19.0026,
17.3066

■ 24.4161, 25.3393,
27.5566

■ 11.6258, 18.9639,
17.0934

■ 27.0973, 26.6965,
28.8102

■ 30.0821, 28.2095,
30.1086

■ 33.3800, 29.8834,
31.4524

■ 37.0002, 31.7227,
32.8422

Harmonies

Analogous

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



15.8413, 20.6991, 15.8357



15.1933, 20.6991, 21.9334



15.6577, 20.6991, 29.6200

Triad

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



15.1933, 20.6991, 21.9334



22.0122, 20.6991, 37.3337



22.4121, 20.6991, 12.6925

Complementary

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



15.1933, 20.6991, 21.9334



14.3143, 10.6256, 10.1014

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.



24.3240, 20.6991, 16.6853



15.1933, 20.6991, 21.9334



24.0795, 20.6991, 30.9056

Square

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



15.1933, 20.6991, 21.9334



19.4617, 20.6991, 39.5667



24.9586, 20.6991, 23.1532



19.8876, 20.6991, 11.2668

Rectangle

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



15.1933, 20.6991, 21.9334



16.5598, 20.6991, 34.4809



24.9586, 20.6991, 23.1532



23.1557, 20.6991, 13.7302

Sweetspot

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



15.1939, 20.6999, 21.9339



36.8076, 41.8838, 45.7389



13.9614, 20.3424, 9.3219



8.1022, 9.3170, 10.1716



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



15.1939, 20.6999, 21.9339



25.1112, 36.0278, 37.3426



13.7358, 16.2793, 26.0861



5.1275, 5.6705, 6.1923



10.8334, 17.6660, 15.9454



0.0773, 0.1195, 0.1339

Inverse Universe

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



14.3143, 10.6256, 10.1014



23.3483, 15.6924, 13.5206



15.1783, 13.1697, 7.8733



5.0741, 5.0651, 5.4788



9.8262, 5.0406, 1.5893



0.0699, 0.0353, 0.0347

Previews

White Background



This preview shows how the XYZ color 15.1933, 20.6991, 21.9334 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 15.1933, 20.6991, 21.9334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

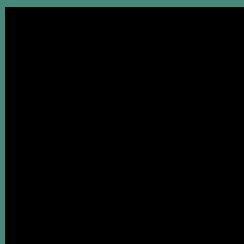
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.1933, 20.6991, 21.9334

Background



This preview shows how black text looks on a background with the XYZ color 15.1933, 20.6991, 21.9334.

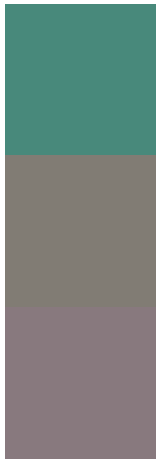


This preview shows how white text looks on a background with the XYZ color 15.1933, 20.6991,

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

15.1933, 20.6991, 21.9334

Protanopia

19.4133, 20.3434, 19.4265

Deuteranopia

20.7566, 20.4153, 22.5852



Tritanopia

16.7778, 20.7142, 29.9020

Trichromacy



Original Color

15.1933, 20.6991, 21.9334

Protanomaly

17.3644, 20.2206, 20.4405

Deuteranomaly

18.1011, 20.1701, 22.3412

Tritanomaly

16.1598, 20.6706, 26.8050

Monochromacy



Original Color

15.1933, 20.6991, 21.9334

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.7930, 18.4565, 20.1829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1933, 20.6991, 21.9334 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(72, 137, 123)` looks like.

```
.text, #text, p{  
  color:rgb(72, 137, 123)  
}
```

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(72, 137, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 137, 123) }
```

Border

The CSS property to change the border of an element to XYZ 15.1933, 20.6991, 21.9334 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(72, 137, 123) }
```


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

```
.border{ border-color:rgb(72, 137, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 137, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 137, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 137, 123);  
box-shadow:4px 4px 4px 4px rgb(72, 137,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1933, 20.6991, 21.9334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 137, 123) }
```

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

```
.background{ background-color: rgb(72, 137,  
123) }
```

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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