

Converting Colors

XYZ(15.3024, 19.9735, 16.0110)

Have a look what the booklet for
XYZ(15.3024, 19.9735, 16.0110)
contains.

XYZ(15.3499, 20.0815, 15.8991)	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(15.3499, 20.0815,
15.8991)**

Conversions

Conversions Part 1

Format	Color
Hex	5D8567
RGB	93, 133, 103
RGB Percent	36%, 52%, 40%
CMY	0.6353, 0.4784, 0.5961
CMYK	0.30, 0.00, 0.23, 0.48
HSL	135°, 18%, 44%
HSV	135°, 30%, 52%
XYZ	15.3499, 20.0815, 15.8991
YIQ	117.6200, -14.2100, -17.8100

Conversions

Conversions Part 2

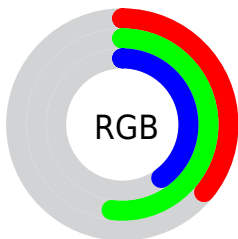
Format	Color
R_{YB}	93, 125, 133
Decimal	6128999
CIE _{Lab}	51.93, -20.51, 11.80
CIE _{LCh}	52, 23.665, 150.086
Yxy	20.0815, 0.2990, 0.3912
Android (android.graphics.Color)	4284319079 (0xFF5D8567)
YUV	117.6200, -7.2077, -21.5917
Hunter-Lab	44.8124, -17.2788, 10.3330

Details

The XYZ color **15.3499, 20.0815, 15.8991** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.1630, 14.2457, 20.5847**, and the grayscale version is **17.1265, 18.0185, 19.6221**.

A 20% lighter version of the original color is **34.8932, 43.3802, 37.1060**, and **4.8893, 7.0299, 4.8406** is the 20% darker color. If you saturate the color by 10%, you get **13.6479, 19.2591, 13.3601**, and if you desaturate by 10%, it is **17.3469, 21.0502, 18.7647**.

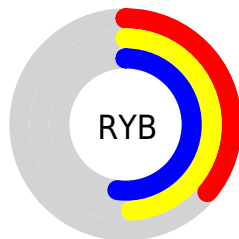
Distribution



Red (36%)

Green (52%)

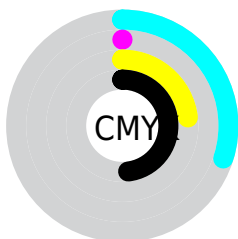
Blue (40%)



Red (36%)

Yellow (49%)

Blue (52%)

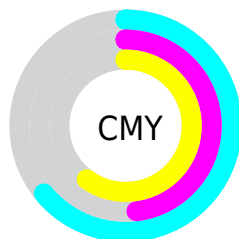


Cyan (30%)

Magenta (0%)

Yellow (23%)

Black (48%)



Cyan (64%)

Magenta (48%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3499, 20.0815, 15.8991 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 15.3499, 20.0815, 15.8991 by changing the saturation by 10% instead.

■ 15.3499, 20.0815,
15.8991

■ 15.3499, 20.0815,
15.8991

218.8210,
252.3560, 240.5709

■ 9.1532, 12.4543,
9.2992

■ 35.0325, 43.5538,
37.1873

■ 4.8992, 7.0539,
4.8374

■ 49.2491, 60.1677,
52.7127

■ 2.2224, 3.4958,
2.0951

■ 66.8698, 80.5459,
72.0503

■ 0.7545, 1.3957,
0.6128

■ 88.2598, 105.0728,
95.6187

■ 0.0000, 0.2136,
0.0000

113.7846,
134.1329, 123.8364

■ 0.0000, 0.0000,
0.0000

143.8095,

168.1106, 157.1220

178.6999,
207.3901, 195.8940

■ 15.3499, 20.0815,
15.8991

■ 15.3499, 20.0815,
15.8991

■ 13.6479, 19.2591,
13.3601

■ 17.3469, 21.0502,
18.7647

■ 12.2250, 18.5734,
11.1346

■ 19.6506, 22.1693,
21.9664

■ 11.0665, 18.0175,
9.2110

■ 22.2738, 23.4458,
25.5153

■ 10.1552, 17.5830,
7.5760

■ 25.2284, 24.8856,
29.4214

■ 9.4723, 17.2603,
6.2157

■ 28.5254, 26.4941,
33.6942

■ 8.9957, 17.0385,
5.1146

■ 32.1755, 28.2766,
38.3431

■ 8.6660, 16.8871,
4.2602

■ 36.1887, 30.2383,
43.3769

■ 40.5749, 32.3838,
48.8043

■ 45.3433, 34.7180,
54.6336

Harmonies

Analogous

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



16.8596, 20.0815, 12.2850



15.3499, 20.0815, 15.8991



14.8228, 20.0815, 21.8852

Triad

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



15.3499, 20.0815, 15.8991



19.0938, 20.0815, 37.9781



23.3779, 20.0815, 15.8713

Complementary

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



15.3499, 20.0815, 15.8991



17.1630, 14.2457, 20.5847

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.



24.0990, 20.0815, 21.8455



15.3499, 20.0815, 15.8991



21.5021, 20.0815, 35.4559

Square

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



15.3499, 20.0815, 15.8991



16.8706, 20.0815, 35.4833



23.3859, 20.0815, 29.1637



21.4891, 20.0815, 12.2715

Rectangle

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



15.3499, 20.0815, 15.8991



15.0619, 20.0815, 26.7404



23.3859, 20.0815, 29.1637



23.7717, 20.0815, 17.6220

Sweetspot

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



15.3504, 20.0823, 15.8995



35.5750, 39.8868, 39.8646



18.5324, 21.7773, 13.5827



7.8890, 8.9250, 8.8089



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



15.3504, 20.0823, 15.8995



25.3765, 34.9402, 25.3429



16.4775, 20.5332, 21.8345



4.6605, 5.2225, 5.2237



8.2570, 16.0857, 4.0730



0.0312, 0.0568, 0.0276

Inverse Universe

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



17.1630, 14.2457, 20.5847



29.1578, 22.7551, 35.1101



16.0360, 13.7949, 14.6498



4.8095, 4.7435, 5.6090



11.3964, 5.6229, 11.9256



0.0424, 0.0206, 0.0567

Previews

White Background



This preview shows how the XYZ color 15.3499, 20.0815, 15.8991 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 15.3499, 20.0815, 15.8991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

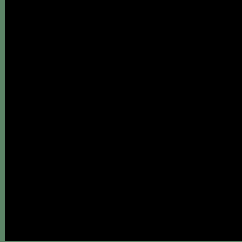
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.3499, 20.0815, 15.8991

Background



This preview shows how black text looks on a background with the XYZ color 15.3499, 20.0815, 15.8991.



This preview shows how white text looks on a background with the XYZ color 15.3499, 20.0815,

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

15.3499, 20.0815, 15.8991

Protanopia

18.6476, 19.8731, 14.4083

Deuteranopia

20.1828, 19.8970, 16.4124



Tritanopia

17.6349, 20.0117, 27.3593

Trichromacy



Original Color

15.3499, 20.0815, 15.8991

Protanomaly

17.2257, 19.8808, 14.9861

Deuteranomaly

18.0696, 19.7203, 16.2186

Tritanomaly

16.6783, 20.0130, 22.7225

Monochromacy



Original Color

15.3499, 20.0815, 15.8991

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.3703, 18.6094, 18.3519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3499, 20.0815, 15.8991 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(93, 133, 103)` looks like.

```
.text, #text, p{  
    color:rgb(93, 133, 103)  
}
```

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(93, 133, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 133, 103) }
```

Border

The CSS property to change the border of an element to XYZ 15.3499, 20.0815, 15.8991 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(93, 133, 103) }
```


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

```
.border{ border-color:rgb(93, 133, 103) }
```

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

Here you see how a box with a 4 pixel rgb(93, 133, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 133, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 133, 103);  
box-shadow:4px 4px 4px 4px rgb(93, 133,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3499, 20.0815, 15.8991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 133, 103) }
```

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

```
.background{ background-color: rgb(93, 133,  
103) }
```

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