

Converting Colors

XYZ(15.4811, 14.7451, 20.5727)

Have a look what the booklet for
XYZ(15.4811, 14.7451, 20.5727)
contains.

XYZ(15.4333, 14.7505, 20.4461)	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(15.4333, 14.7505,
20.4461)**

Conversions

Conversions Part 1

Format	Color
Hex	73677A
RGB	115, 103, 122
RGB Percent	45%, 40%, 48%
CMY	0.5490, 0.5961, 0.5216
CMYK	0.06, 0.16, 0.00, 0.52
HSL	278°, 8%, 44%
HSV	278°, 16%, 48%
XYZ	15.4333, 14.7505, 20.4461
YIQ	108.7540, 1.0530, 8.4530

Conversions

Conversions Part 2

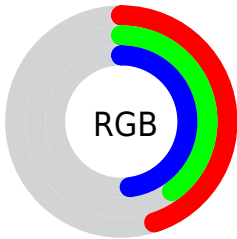
Format	Color
R_{YB}	115, 103, 122
Decimal	7563130
CIE Lab	45.29, 8.60, -8.86
CIE LCh	45, 12.340, 314.146
Yxy	14.7505, 0.3048, 0.2913
Android (android.graphics.Color)	4285753210 (0xFF73677A)
YUV	108.7540, 6.5303, 5.4777
Hunter-Lab	38.4064, 4.5176, -4.6793

Details

The XYZ color **15.4333, 14.7505, 20.4461** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.8388, 18.2138, 15.5136**, and the grayscale version is **14.4485, 15.2009, 16.5538**.

A 20% lighter version of the original color is **35.1319, 34.3827, 44.8293**, and **4.9315, 4.5027, 6.9125** is the 20% darker color. If you saturate the color by 10%, you get **13.7306, 12.2012, 20.0440**, and if you desaturate by 10%, it is **17.3428, 17.6701, 20.9092**.

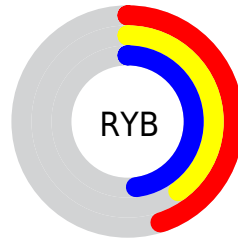
Distribution



Red (45%)

Green (40%)

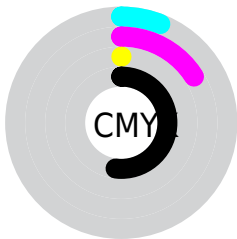
Blue (48%)



Red (45%)

Yellow (40%)

Blue (48%)

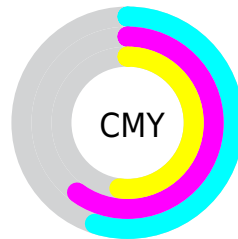


Cyan (6%)

Magenta (16%)

Yellow (0%)

Black (52%)



Cyan (55%)

Magenta (60%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4333, 14.7505, 20.4461 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 15.4333, 14.7505, 20.4461 by changing the saturation by 10% instead.

■ 15.4333, 14.7505,
20.4461

■ 15.4333, 14.7505,
20.4461

219.3108,
221.8511, 267.0037

■ 9.2123, 8.6445,
12.5324

■ 35.1770, 34.4149,
45.0326

■ 4.9382, 4.5100,
6.9805

■ 49.4304, 48.7420,
62.5425

■ 2.2454, 1.9628,
3.3716

■ 67.0921, 66.5783,
84.0883

■ 0.7665, 0.5857,
1.2874

■ 88.5273, 88.3082,
110.0885

■ 0.0000, 0.0000,
0.0514

114.1014,
114.3160, 140.9615

■ 0.0000, 0.0000,
0.0000

144.1798,

144.9861, 177.1261

179.1278,
180.7030, 219.0006

■ 15.4333, 14.7505,
20.4461

■ 15.4333, 14.7505,
20.4461

■ 13.7306, 12.2012,
20.0440

■ 17.3428, 17.6701,
20.9092

■ 12.2253, 10.0048,
19.6994

■ 19.4654, 20.9727,
21.4348

■ 10.9093, 8.1453,
19.4098

■ 21.8086, 24.6726,
22.0255

■ 9.7732, 6.6048,
19.1724

■ 24.3794, 28.7830,
22.6834

■ 8.8070, 5.3636,
18.9837

■ 27.1840, 33.3162,
23.4105

7.9993, 4.3998,
18.8403

30.2290, 38.2841,
24.2090

7.3372, 3.6883,
18.7378

33.5201, 43.6984,
25.0805

6.7990, 3.1863,
18.6693

37.0632, 49.5698,
26.0271

6.5772, 2.9848,
18.6421

40.8639, 55.9092,
27.0504

Harmonies

Analogous

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



14.5056, 14.7505, 22.1580



15.4333, 14.7505, 20.4461



15.9961, 14.7505, 17.6475

Triad

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



15.4333, 14.7505, 20.4461



14.5635, 14.7505, 11.2334



12.1998, 14.7505, 17.4756

Complementary

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



15.4333, 14.7505, 20.4461



15.8388, 18.2138, 15.5136

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.



12.2136, 14.7505, 14.5722



15.4333, 14.7505, 20.4461



13.5452, 14.7505, 11.1992

Square

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



15.4333, 14.7505, 20.4461



15.4775, 14.7505, 12.4519



12.6956, 14.7505, 12.3521



12.6568, 14.7505, 20.3071

Rectangle

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



15.4333, 14.7505, 20.4461



16.0722, 14.7505, 15.6574



12.6956, 14.7505, 12.3521



12.1502, 14.7505, 16.4711

Sweetspot

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



15.4337, 14.7511, 20.4464



30.6712, 31.3341, 36.8244



14.7136, 15.5025, 20.6294



6.9674, 7.0943, 8.4088



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



15.4337, 14.7511, 20.4464



25.9455, 24.1323, 35.6834



16.2538, 15.1896, 19.7760



4.0181, 4.0072, 5.0049



6.9153, 3.1377, 19.6265



32.0249, 14.4715, 93.5752

Inverse Universe

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



15.6914, 14.9646, 16.8142



26.5171, 24.6014, 27.8268



15.1146, 17.8274, 16.0682



4.0537, 4.0372, 4.4805



8.9441, 4.5538, 2.9967



42.2849, 21.5703, 12.2962

Previews

White Background



This preview shows how the XYZ color 15.4333, 14.7505, 20.4461 looks on a white 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

Black Background



This preview shows how the XYZ color 15.4333, 14.7505, 20.4461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

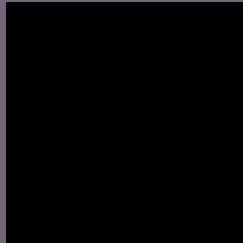
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.4333, 14.7505, 20.4461

Background



This preview shows how black text looks on a background with the XYZ color 15.4333, 14.7505, 20.4461.



This preview shows how white text looks on a background with the XYZ color 15.4333, 14.7505,

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

15.4333, 14.7505, 20.4461

Protanopia

14.5010, 14.7064, 21.1431

Deuteranopia

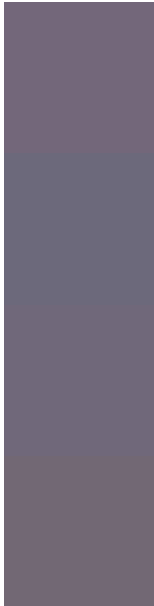
15.0187, 14.6853, 20.4553



Tritanopia

14.9716, 14.8728, 17.7044

Trichromacy



Original Color

15.4333, 14.7505, 20.4461

Protanomaly

14.8111, 14.7214, 20.7998

Deuteranomaly

15.1453, 14.7505, 20.4612

Tritanomaly

15.0421, 14.7390, 18.5751

Monochromacy



Original Color

15.4333, 14.7505, 20.4461

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.8505, 15.1098, 18.0534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4333, 14.7505, 20.4461 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(115, 103, 122)` looks like.

```
.text, #text, p{  
    color:rgb(115, 103, 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(115, 103, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 103, 122) }
```

Border

The CSS property to change the border of an element to XYZ 15.4333, 14.7505, 20.4461 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(115, 103, 122) }
```


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

```
.border{ border-color:rgb(115, 103, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 103, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 103, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 103, 122);  
box-shadow:4px 4px 4px 4px rgb(115, 103,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4333, 14.7505, 20.4461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 103, 122) }
```

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

```
.background{ background-color: rgb(115,  
103, 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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