

Converting Colors

XYZ(15.3667, 13.7812, 43.0273)

Have a look what the booklet for
XYZ(15.3667, 13.7812, 43.0273)
contains.

XYZ(15.3741, 13.7854, 42.9248)	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(15.3741, 13.7854,
42.9248)**

Conversions

Conversions Part 1

Format	Color
Hex	4C64B0
RGB	76, 100, 176
RGB Percent	30%, 39%, 69%
CMY	0.7019, 0.6078, 0.3098
CMYK	0.57, 0.43, 0.00, 0.31
HSL	226°, 40%, 49%
HSV	226°, 57%, 69%
XYZ	15.3741, 13.7854, 42.9248
YIQ	101.4880, -38.7000, 18.5480

Conversions

Conversions Part 2

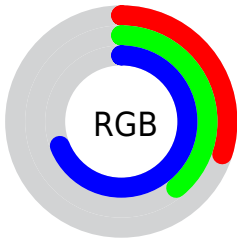
Format	Color
R_{YB}	76, 95, 176
Decimal	5006512
CIE _{Lab}	43.92, 14.14, -43.33
CIE _{LCh}	44, 45.581, 288.070
Yxy	13.7854, 0.2133, 0.1912
Android (android.graphics.Color)	4283196592 (0xFF4C64B0)
YUV	101.4880, 36.7344, -22.3530
Hunter-Lab	37.1287, 8.9373, -42.5556

Details

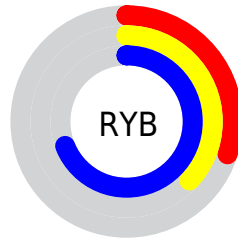
The XYZ color **15.3741, 13.7854, 42.9248** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **30.4382, 32.2098, 11.4512**, and the grayscale version is **12.4114, 13.0577, 14.2198**.

A 20% lighter version of the original color is **35.1478, 32.8649, 80.8350**, and **4.9194, 4.0813, 19.2674** is the 20% darker color. If you saturate the color by 10%, you get **12.9829, 10.8021, 42.4753**, and if you desaturate by 10%, it is **18.3595, 17.3881, 43.4631**.

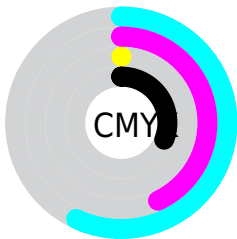
Distribution



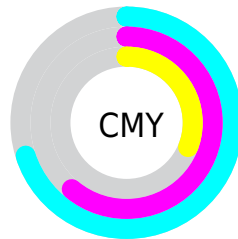
- Red (30%)
- Green (39%)
- Blue (69%)



- Red (30%)
- Yellow (37%)
- Blue (69%)



- Cyan (57%)
- Magenta (43%)
- Yellow (0%)
- Black (31%)



- Cyan (70%)
- Magenta (61%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3741, 13.7854, 42.9248 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 15.3741, 13.7854, 42.9248 by changing the saturation by 10% instead.

■ 15.3741, 13.7854,
42.9248

■ 15.3741, 13.7854,
42.9248

218.9633,
215.8917, 374.2145

■ 9.1704, 7.9716,
29.4952

■ 35.0744, 32.7078,
80.8825

■ 4.9105, 4.0768,
19.2069

■ 49.3018, 46.5851,
106.2476

■ 2.2290, 1.7166,
11.6416

■ 66.9343, 63.9190,
136.4284

■ 0.7580, 0.4344,
6.3805

■ 88.3375, 85.0939,
171.8432

■ 0.0000, 0.0000,
3.0053

■ 113.8766,
110.4943, 212.9107

■ 0.0000, 0.0000,
1.0974

143.9170,

■ 0.0000, 0.0000,

140.5044, 260.0494

0.0000

178.8241,
175.5088, 313.6778

■ 15.3741, 13.7854,
42.9248

■ 15.3741, 13.7854,
42.9248

■ 12.9829, 10.8021,
42.4753

■ 18.3595, 17.3881,
43.4631

■ 11.1421, 8.3998,
42.1086

■ 21.9755, 21.6427,
44.0938

■ 9.8037, 6.5375,
41.8197

■ 26.2573, 26.5808,
44.8212

■ 8.9031, 5.1637,
41.6020

■ 31.2371, 32.2316,
45.6495

■ 8.6729, 4.8073,
41.5453

■ 36.9448, 38.6224,
46.5822

■ 43.4086, 45.7793,
47.6230

■ 50.6551, 53.7268,
48.7750

■ 58.7099, 62.4884,
50.0417

■ 67.5969, 72.0868,
51.4259

Harmonies

Analogous

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



11.7203, 13.7854, 44.0439



15.3741, 13.7854, 42.9248



18.9704, 13.7854, 32.5830

Triad

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



15.3741, 13.7854, 42.9248



18.3059, 13.7854, 4.5506



7.4202, 13.7854, 11.2664

Complementary

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



15.3741, 13.7854, 42.9248



30.4382, 32.2098, 11.4512

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.



8.5899, 13.7854, 5.2639



15.3741, 13.7854, 42.9248



14.5895, 13.7854, 2.7557

Square

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



15.3741, 13.7854, 42.9248



20.8653, 13.7854, 9.6528



11.0667, 13.7854, 2.9375



7.5526, 13.7854, 22.0536

Rectangle

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



15.3741, 13.7854, 42.9248



20.6482, 13.7854, 23.7191



11.0667, 13.7854, 2.9375



7.6638, 13.7854, 8.7458

Sweetspot

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



15.3747, 13.7859, 42.9252



56.1883, 57.9328, 82.7160



24.0923, 34.8220, 34.7303



11.7770, 12.1034, 17.8598



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



15.3747, 13.7859, 42.9252



22.6664, 18.4638, 76.8645



15.7885, 11.0710, 42.3793



8.2021, 8.5504, 10.7244



6.4025, 3.6054, 30.4955



0.2473, 0.2052, 0.9748

Inverse Universe

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



22.7897, 15.3198, 13.8127



37.7477, 22.7088, 17.4010



29.5929, 38.1522, 12.6427



8.5772, 8.5376, 9.2719



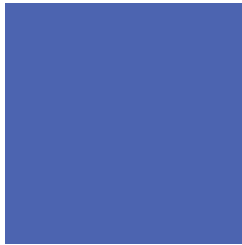
13.4664, 6.9041, 2.3499



0.4469, 0.2265, 0.1959

Previews

White Background



This preview shows how the XYZ color 15.3741, 13.7854, 42.9248 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 15.3741, 13.7854, 42.9248 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 15.3741, 13.7854, 42.9248

Background



This preview shows how black text looks on a background with the XYZ color 15.3741, 13.7854, 42.9248.



This preview shows how white text looks on a background with the XYZ color 15.3741, 13.7854,

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

15.3741, 13.7854, 42.9248

Protanopia

15.1880, 13.8213, 43.4623

Deuteranopia

14.1564, 13.7527, 42.4658



Tritanopia

10.7667, 13.7531, 20.1763

Trichromacy



Original Color

15.3741, 13.7854, 42.9248

Protanomaly

15.3371, 13.8982, 43.4692

Deuteranomaly

14.5126, 13.7877, 42.4538

Tritanomaly

12.1569, 13.6723, 27.1976

Monochromacy



Original Color

15.3741, 13.7854, 42.9248

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

12.9636, 13.1412, 22.2753

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3741, 13.7854, 42.9248 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(76, 100, 176)` looks like.

```
.text, #text, p{  
    color:rgb(76, 100, 176)  
}
```

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(76, 100, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 100, 176) }
```

Border

The CSS property to change the border of an element to XYZ 15.3741, 13.7854, 42.9248 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(76, 100, 176) }
```


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

```
.border{ border-color:rgb(76, 100, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 100, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 100, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 100, 176);  
box-shadow:4px 4px 4px 4px rgb(76, 100,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3741, 13.7854, 42.9248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 100, 176) }
```

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

```
.background{ background-color: rgb(76, 100,  
176) }
```

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