

Converting Colors

XYZ(17.7432, 15.3171, 41.5571)

Have a look what the booklet for
XYZ(17.7432, 15.3171, 41.5571)
contains.

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Color

**XYZ(17.7737, 15.3447,
41.5602)**

Conversions

Conversions Part 1

Format	Color
Hex	6666AD
RGB	102, 102, 173
RGB Percent	40%, 40%, 68%
CMY	0.6000, 0.6000, 0.3216
CMYK	0.41, 0.41, 0.00, 0.32
HSL	240°, 30%, 54%
HSV	240°, 41%, 68%
XYZ	17.7737, 15.3447, 41.5602
YIQ	110.0940, -22.7910, 22.0810

Conversions

Conversions Part 2

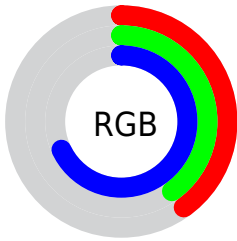
Format	Color
RYB	102, 102, 173
Decimal	6710957
CIELab	46.10, 18.24, -38.00
CIElCh	46, 42.155, 295.637
Yxy	15.3447, 0.2380, 0.2055
Android (android.graphics.Color)	4284901037 (0xFF6666AD)
YUV	110.0940, 31.0127, -7.0984
Hunter-Lab	39.1723, 12.4395, -35.4836

Details

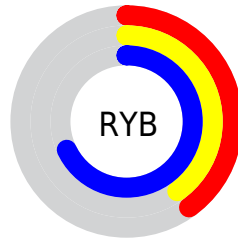
The XYZ color **17.7737, 15.3447, 41.5602** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **34.5755, 39.7309, 18.4174**, and the grayscale version is **14.7670, 15.5360, 16.9187**.

A 20% lighter version of the original color is **39.2444, 35.5075, 78.9140**, and **6.0230, 4.7414, 18.3670** is the 20% darker color. If you saturate the color by 10%, you get **14.4874, 11.3848, 40.9694**, and if you desaturate by 10%, it is **21.8251, 20.2262, 42.2892**.

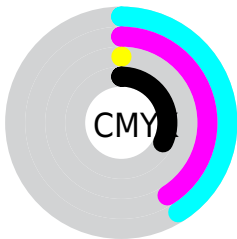
Distribution



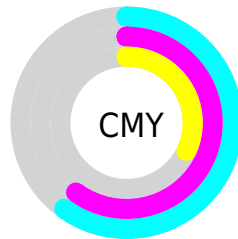
- Red (40%)
- Green (40%)
- Blue (68%)



- Red (40%)
- Yellow (40%)
- Blue (68%)



- Cyan (41%)
- Magenta (41%)
- Yellow (0%)
- Black (32%)



- Cyan (60%)
- Magenta (60%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7737, 15.3447, 41.5602 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 17.7737, 15.3447, 41.5602 by changing the saturation by 10% instead.

■ 17.7737, 15.3447,
41.5602

■ 17.7737, 15.3447,
41.5602

232.6627,
225.4432, 368.4023

■ 10.8863, 9.0617,
28.4341

■ 39.1844, 35.4568,
78.7965

■ 6.0572, 4.7814,
18.4112

■ 54.4386, 50.0546,
103.7437

■ 2.9209, 2.1196,
11.0732

■ 73.2123, 68.1928,
133.4683

■ 1.1121, 0.6756,
6.0013

■ 95.8710, 90.2557,
168.3890

■ 0.0352, 0.0000,
2.7770

122.7800,
116.6279, 208.9242

■ 0.0000, 0.0000,
0.9820

154.3048,

■ 0.0000, 0.0000,

147.6936, 255.4924

0.0000

190.8105,
183.8372, 308.5123

■ 17.7737, 15.3447,
41.5602

■ 17.7737, 15.3447,
41.5602

■ 14.4874, 11.3848,
40.9694

■ 21.8251, 20.2262,
42.2892

■ 11.9165, 8.2870,
40.5069

■ 26.6836, 26.0804,
43.1631

■ 10.0083, 5.9878,
40.1637

■ 32.3902, 32.9566,
44.1895

■ 8.7022, 4.4140,
39.9288

■ 38.9827, 40.9001,
45.3753

■ 7.9262, 3.4790,
39.7892

■ 46.4966, 49.9539,
46.7269

■ 7.5429, 3.0172,
39.7203

■ 54.9653, 60.1582,
48.2502

■ 64.4207, 71.5514,
49.9509

■ 74.8933, 84.1702,
51.8346

■ 84.5429, 95.7972,
53.5703

Harmonies

Analogous

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



14.0668, 15.3447, 45.1188



17.7737, 15.3447, 41.5602



21.0440, 15.3447, 30.5043

Triad

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



17.7737, 15.3447, 41.5602



18.8297, 15.3447, 5.1386



8.7366, 15.3447, 15.2512

Complementary

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



17.7737, 15.3447, 41.5602



34.5755, 39.7309, 18.4174

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.



9.6042, 15.3447, 7.8614



17.7737, 15.3447, 41.5602



15.1151, 15.3447, 3.7448

Square

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



17.7737, 15.3447, 41.5602



21.7204, 15.3447, 9.5415



11.8019, 15.3447, 4.4846



9.2129, 15.3447, 26.7829

Rectangle

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



17.7737, 15.3447, 41.5602



22.3298, 15.3447, 22.0964



11.8019, 15.3447, 4.4846



8.8762, 15.3447, 12.2752

Sweetspot

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



17.7743, 15.3453, 41.5606



56.7323, 57.4849, 78.9114



27.9663, 35.7294, 44.9579



12.0395, 12.1437, 17.0971



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



17.7743, 15.3453, 41.5606



26.5739, 21.1459, 73.4867



22.6934, 17.8811, 41.7908



7.5789, 7.7572, 10.0505



5.5414, 2.2165, 29.1803



0.1542, 0.0617, 0.8118

Inverse Universe

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



29.5281, 21.4046, 42.1102



50.4408, 33.4498, 74.6026



27.7410, 36.2075, 18.0976



8.3371, 8.1481, 10.0860



18.2018, 8.7433, 29.7719



0.5064, 0.2432, 0.8282

Previews

White Background



This preview shows how the XYZ color 17.7737, 15.3447, 41.5602 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 17.7737, 15.3447, 41.5602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

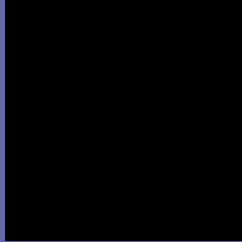
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.7737, 15.3447, 41.5602

Background



This preview shows how black text looks on a background with the XYZ color 17.7737, 15.3447, 41.5602.

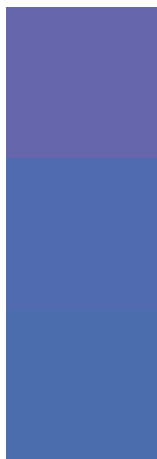


This preview shows how white text looks on a background with the XYZ color 17.7737, 15.3447,

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

17.7737, 15.3447, 41.5602

Protanopia

16.5868, 15.4390, 43.7008

Deuteranopia

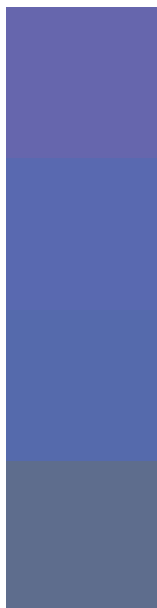
15.7210, 15.3734, 40.6669



Tritanopia

13.5378, 15.3392, 20.6596

Trichromacy



Original Color

17.7737, 15.3447, 41.5602

Protanomaly

17.0079, 15.3616, 43.1430

Deuteranomaly

16.3467, 15.2179, 41.1055

Tritanomaly

14.8925, 15.2400, 27.3560

Monochromacy



Original Color

17.7737, 15.3447, 41.5602

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.5547, 15.3346, 24.3304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7737, 15.3447, 41.5602 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(102, 102, 173)` looks like.

```
.text, #text, p{  
    color:rgb(102, 102, 173)  
}
```

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(102, 102, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 102, 173) }
```

Border

The CSS property to change the border of an element to XYZ 17.7737, 15.3447, 41.5602 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(102, 102, 173) }
```


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

```
.border{ border-color:rgb(102, 102, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 102, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 102, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 102, 173);  
box-shadow:4px 4px 4px 4px rgb(102, 102,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7737, 15.3447, 41.5602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 102, 173) }
```

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

```
.background{ background-color: rgb(102,  
102, 173) }
```

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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