

Converting Colors

XYZ(15.3629, 17.5941, 35.5449)

Have a look what the booklet for
XYZ(15.3629, 17.5941, 35.5449)
contains.

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Color

**XYZ(15.2674, 17.4790,
35.3700)**

Conversions

Conversions Part 1

Format	Color
Hex	3F7A9F
RGB	63, 122, 159
RGB Percent	25%, 48%, 62%
CMY	0.7529, 0.5216, 0.3765
CMYK	0.60, 0.23, 0.00, 0.38
HSL	203°, 43%, 44%
HSV	203°, 60%, 62%
XYZ	15.2674, 17.4790, 35.3700
YIQ	108.5770, -47.0410, -1.0010

Conversions

Conversions Part 2

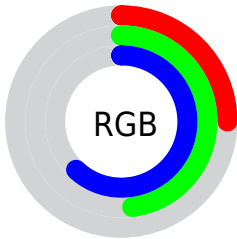
Format	Color
R _Y B	63, 100, 159
Decimal	4160159
CIE Lab	48.86, -7.76, -25.66
CIE LCh	49, 26.809, 253.169
Yxy	17.4790, 0.2241, 0.2566
Android (android.graphics.Color)	4282350239 (0xFF3F7A9F)
YUV	108.5770, 24.8585, -39.9710
Hunter-Lab	41.8079, -7.9792, -20.8946

Details

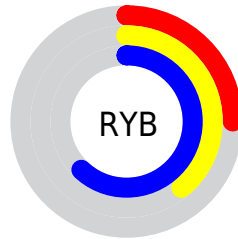
The XYZ color **15.2674, 17.4790, 35.3700** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **19.7530, 16.8449, 6.9136**, and the grayscale version is **14.3583, 15.1061, 16.4505**.

A 20% lighter version of the original color is **34.8814, 39.0491, 69.3171**, and **5.1026, 5.9591, 14.7912** is the 20% darker color. If you saturate the color by 10%, you get **13.6660, 15.5717, 35.0866**, and if you desaturate by 10%, it is **17.2107, 19.6337, 35.6838**.

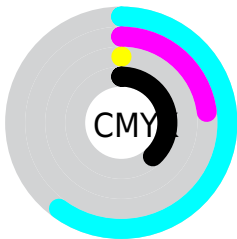
Distribution



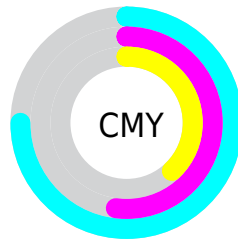
- Red (25%)
- Green (48%)
- Blue (62%)



- Red (25%)
- Yellow (39%)
- Blue (62%)



- Cyan (60%)
- Magenta (23%)
- Yellow (0%)
- Black (38%)



- Cyan (75%)
- Magenta (52%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2674, 17.4790, 35.3700 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 15.2674, 17.4790, 35.3700 by changing the saturation by 10% instead.

■ 15.2674, 17.4790,
35.3700

■ 15.2674, 17.4790,
35.3700

218.3355,
237.9178, 341.1522

■ 9.0948, 10.5766,
23.6622

■ 34.8894, 39.1475,
69.2166

■ 4.8607, 5.7829,
14.8734

■ 49.0696, 54.6824,
92.1925

■ 2.1997, 2.7135,
8.5849

■ 66.6496, 73.8636,
119.7615

■ 0.7426, 0.9841,
4.3783

■ 87.9948, 97.0755,
152.3422

■ 0.0000, 0.0000,
1.8351

■ 113.4707,
124.7025, 190.3531

■ 0.0000, 0.0000,
0.4510

143.4425,

■ 0.0000, 0.0000,

157.1289, 234.2127

0.0000

178.2757,
194.7392, 284.3395

■ 15.2674, 17.4790,
35.3700

■ 15.2674, 17.4790,
35.3700

■ 13.6660, 15.5717,
35.0866

■ 17.2107, 19.6337,
35.6838

■ 12.3778, 13.8947,
34.8308

■ 19.5179, 22.0473,
36.0281

■ 11.3719, 12.4311,
34.6013

■ 22.2112, 24.7329,
36.4045

■ 10.5995, 11.1860,
34.4017

■ 25.3101, 27.7018,
36.8142

■ 28.8331, 30.9645,
37.2583

■ 32.7972, 34.5311,
37.7378

■ 37.2186, 38.4109,
38.2536

■ 42.1126, 42.6130,
38.8068

■ 47.4938, 47.1459,
39.3981

Harmonies

Analogous

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



13.3655, 17.4790, 30.0164



15.2674, 17.4790, 35.3700



17.7261, 17.4790, 35.7134

Triad

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



15.2674, 17.4790, 35.3700



21.7152, 17.4790, 16.0805



13.5532, 17.4790, 10.6922

Complementary

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



15.2674, 17.4790, 35.3700



19.7530, 16.8449, 6.9136

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.



15.5480, 17.4790, 8.5726



15.2674, 17.4790, 35.3700



20.3487, 17.4790, 11.1189

Square

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



15.2674, 17.4790, 35.3700



21.6208, 17.4790, 23.2767



18.0360, 17.4790, 8.7064



12.4456, 17.4790, 15.3369

Rectangle

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



15.2674, 17.4790, 35.3700



19.3678, 17.4790, 32.9428



18.0360, 17.4790, 8.7064



14.1332, 17.4790, 9.7193

Sweetspot

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



15.2680, 17.4796, 35.3704



46.5475, 50.7553, 66.0869



16.7392, 26.7697, 16.2915



10.1215, 11.0927, 14.8513



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



15.2680, 17.4796, 35.3704



23.7270, 26.9459, 62.6940



10.7707, 8.4850, 33.8713



6.6070, 7.0797, 8.4250



8.4130, 8.9175, 27.1851



0.1904, 0.2395, 0.4994

Inverse Universe

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



19.5889, 12.3317, 19.7607



32.5546, 18.3874, 30.3642



25.7543, 28.8474, 8.9140



6.7957, 6.7112, 7.7753



13.0447, 6.5224, 9.7523



0.2534, 0.1247, 0.2807

Previews

White Background



This preview shows how the XYZ color 15.2674, 17.4790, 35.3700 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 15.2674, 17.4790, 35.3700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

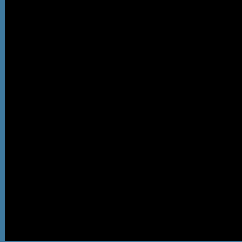
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 15.2674, 17.4790, 35.3700

Background



This preview shows how black text looks on a background with the XYZ color 15.2674, 17.4790, 35.3700.

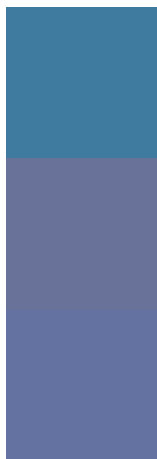


This preview shows how white text looks on a background with the XYZ color 15.2674, 17.4790,

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

15.2674, 17.4790, 35.3700

Protanopia

17.5928, 17.3378, 32.5563

Deuteranopia

17.7059, 17.3172, 36.1276



Tritanopia

13.3730, 17.4562, 25.9571

Trichromacy



Original Color

15.2674, 17.4790, 35.3700

Protanomaly

16.4941, 17.2628, 33.4731

Deuteranomaly

16.6369, 17.2869, 35.7175

Tritanomaly

14.0550, 17.5507, 29.0324

Monochromacy



Original Color

15.2674, 17.4790, 35.3700

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.2617, 15.8422, 22.3849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2674, 17.4790, 35.3700 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(63, 122, 159)` looks like.

```
.text, #text, p{  
    color:rgb(63, 122, 159)  
}
```

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(63, 122, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 122, 159) }
```

Border

The CSS property to change the border of an element to XYZ 15.2674, 17.4790, 35.3700 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(63, 122, 159) }
```


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

```
.border{ border-color:rgb(63, 122, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 122, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 122, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 122, 159);  
box-shadow:4px 4px 4px 4px rgb(63, 122,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2674, 17.4790, 35.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 122, 159) }
```

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

```
.background{ background-color: rgb(63, 122,  
159) }
```

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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