

Converting Colors

XYZ(15.7595, 14.3261, 40.5699)

Have a look what the booklet for
XYZ(15.7595, 14.3261, 40.5699)
contains.

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Color

**XYZ(15.7582, 14.3278,
40.4631)**

Conversions

Conversions Part 1

Format	Color
Hex	5466AB
RGB	84, 102, 171
RGB Percent	33%, 40%, 67%
CMY	0.6706, 0.6000, 0.3294
CMYK	0.51, 0.40, 0.00, 0.33
HSL	228°, 34%, 50%
HSV	228°, 51%, 67%
XYZ	15.7582, 14.3278, 40.4631
YIQ	104.4840, -32.8770, 17.6430

Conversions

Conversions Part 2

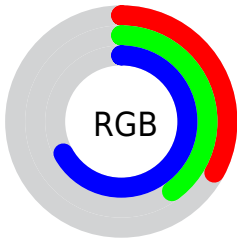
Format	Color
R_{YB}	84, 99, 171
Decimal	5531307
CIE _{Lab}	44.70, 13.04, -39.14
CIE _{LCh}	45, 41.253, 288.433
Yxy	14.3278, 0.2234, 0.2031
Android (android.graphics.Color)	4283721387 (0xFF5466AB)
YUV	104.4840, 32.7924, -17.9645
Hunter-Lab	37.8521, 8.0702, -36.8833

Details

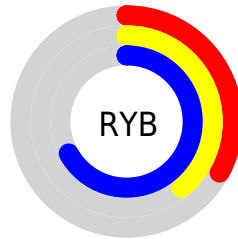
The XYZ color **15.7582, 14.3278, 40.4631** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.7869, 32.0817, 13.0108**, and the grayscale version is **13.2094, 13.8973, 15.1341**.

A 20% lighter version of the original color is **35.7376, 33.7318, 77.3004**, and **5.0851, 4.3430, 17.7098** is the 20% darker color. If you saturate the color by 10%, you get **13.1848, 11.1819, 39.9918**, and if you desaturate by 10%, it is **18.9245, 18.1035, 41.0253**.

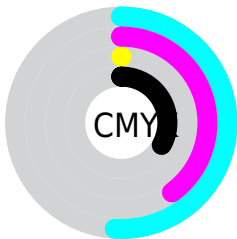
Distribution



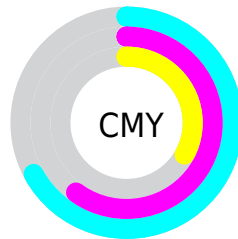
- Red (33%)
- Green (40%)
- Blue (67%)



- Red (33%)
- Yellow (39%)
- Blue (67%)



- Cyan (51%)
- Magenta (40%)
- Yellow (0%)
- Black (33%)



- Cyan (67%)
- Magenta (60%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7582, 14.3278, 40.4631 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 15.7582, 14.3278, 40.4631 by changing the saturation by 10% instead.

■ 15.7582, 14.3278,
40.4631

■ 15.7582, 14.3278,
40.4631

221.2092,
219.2607, 363.6816

■ 9.4430, 8.3490,
27.5833

■ 35.7388, 33.6695,
77.1130

■ 5.0906, 4.3191,
17.7755

■ 50.1348, 47.8013,
101.7201

■ 2.3358, 1.8536,
10.6211

■ 67.9552, 65.4194,
131.0734

■ 0.8129, 0.5203,
5.7017

■ 89.5652, 86.9084,
165.5914

■ 0.0000, 0.0000,
2.5987

115.3303,
112.6527, 205.6927

■ 0.0000, 0.0000,
0.8918

145.6157,

■ 0.0000, 0.0000,

143.0365, 251.7958

0.0000

180.7869,
178.4444, 304.3193

■ 15.7582, 14.3278,
40.4631

■ 15.7582, 14.3278,
40.4631

■ 13.1848, 11.1819,
39.9918

■ 18.9245, 18.1035,
41.0253

■ 11.1642, 8.6288,
39.6055

■ 22.7166, 22.5400,
41.6817

■ 9.6540, 6.6298,
39.2993

■ 27.1672, 27.6681,
42.4370

■ 8.6045, 5.1406,
39.0671

■ 32.3061, 33.5162,
43.2949

■ 7.9629, 4.1646,
38.9125

■ 38.1612, 40.1109,
44.2593

■ 44.7588, 47.4777,
45.3335

■ 52.1240, 55.6407,
46.5209

■ 60.2806, 64.6230,
47.8247

■ 69.2514, 74.4466,
49.2481

Harmonies

Analogous

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



12.3669, 14.3278, 41.5523



15.7582, 14.3278, 40.4631



19.0285, 14.3278, 31.3213

Triad

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



15.7582, 14.3278, 40.4631



18.3548, 14.3278, 5.4684



8.2320, 14.3278, 12.1861

Complementary

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



15.7582, 14.3278, 40.4631



29.7869, 32.0817, 13.0108

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.



9.3448, 14.3278, 6.2824



15.7582, 14.3278, 40.4631



14.9510, 14.3278, 3.6080

Square

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



15.7582, 14.3278, 40.4631



20.6890, 14.3278, 10.4641



11.6812, 14.3278, 3.8278



8.3756, 14.3278, 22.1911

Rectangle

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



15.7582, 14.3278, 40.4631



20.5301, 14.3278, 23.4120



11.6812, 14.3278, 3.8278



8.4630, 14.3278, 9.7543

Sweetspot

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



15.7588, 14.3283, 40.4635



53.6627, 55.2653, 76.8408



23.8994, 33.2830, 34.9354



11.5493, 11.8488, 17.0660



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.



15.7588, 14.3283, 40.4635



23.1265, 19.4208, 71.5316



16.7855, 12.5108, 40.0585



7.7082, 8.0157, 10.0936



6.0346, 3.2030, 29.3447



0.2057, 0.1647, 0.8289

Inverse Universe

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



22.3637, 15.9586, 14.4723



36.5147, 23.4718, 18.6804



28.0801, 35.9095, 13.8396



8.0705, 8.0415, 8.6821



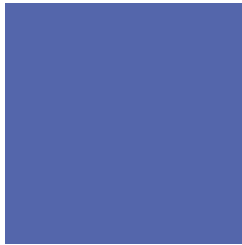
12.9096, 6.6264, 1.9035



0.3782, 0.1920, 0.1535

Previews

White Background



This preview shows how the XYZ color 15.7582, 14.3278, 40.4631 looks on a white background.

Color Contrast Check

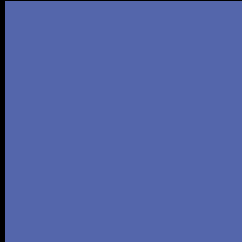
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7582, 14.3278, 40.4631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

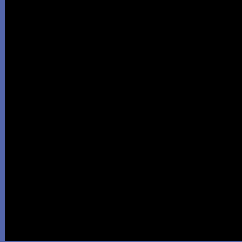
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.7582, 14.3278, 40.4631

Background



This preview shows how black text looks on a background with the XYZ color 15.7582, 14.3278, 40.4631.

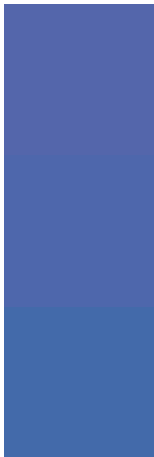


This preview shows how white text looks on a background with the XYZ color 15.7582, 14.3278,

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

15.7582, 14.3278, 40.4631

Protanopia

15.4385, 14.2988, 40.9760

Deuteranopia

14.7245, 14.4036, 40.0343



Tritanopia

11.8019, 14.4443, 20.5784

Trichromacy



Original Color

15.7582, 14.3278, 40.4631

Protanomaly

15.6049, 14.3845, 40.9837

Deuteranomaly

15.0549, 14.4219, 40.0204

Tritanomaly

13.0263, 14.2866, 26.8820

Monochromacy



Original Color

15.7582, 14.3278, 40.4631

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.6763, 13.8004, 22.3650

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7582, 14.3278, 40.4631 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(84, 102, 171)` looks like.

```
.text, #text, p{  
  color:rgb(84, 102, 171)  
}
```

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(84, 102, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 102, 171) }
```

Border

The CSS property to change the border of an element to XYZ 15.7582, 14.3278, 40.4631 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(84, 102, 171) }
```


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

```
.border{ border-color:rgb(84, 102, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 102, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 102, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 102, 171);  
box-shadow:4px 4px 4px 4px rgb(84, 102,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7582, 14.3278, 40.4631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 102, 171) }
```

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

```
.background{ background-color: rgb(84, 102,  
171) }
```

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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