

Converting Colors

XYZ(15.3642, 16.3591, 38.4359)

Have a look what the booklet for
XYZ(15.3642, 16.3591, 38.4359)
contains.

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Color

**XYZ(15.3751, 16.4022,
38.4320)**

Conversions

Conversions Part 1

Format	Color
Hex	4274A6
RGB	66, 116, 166
RGB Percent	26%, 45%, 65%
CMY	0.7412, 0.5451, 0.3490
CMYK	0.60, 0.30, 0.00, 0.35
HSL	210°, 43%, 45%
HSV	210°, 60%, 65%
XYZ	15.3751, 16.4022, 38.4320
YIQ	106.7500, -45.8500, 4.9500

Conversions

Conversions Part 2

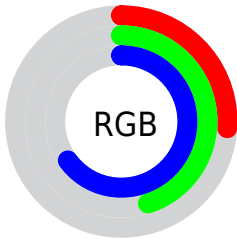
Format	Color
R _{YB}	66, 99, 166
Decimal	4355238
CIE Lab	47.50, -1.26, -31.86
CIE LCh	47, 31.889, 267.732
Yxy	16.4022, 0.2190, 0.2336
Android (android.graphics.Color)	4282545318 (0xFF4274A6)
YUV	106.7500, 29.2102, -35.7377
Hunter-Lab	40.4996, -3.1094, -27.9133

Details

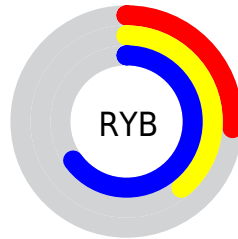
The XYZ color **15.3751, 16.4022, 38.4320** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.9555, 20.9923, 7.9971**, and the grayscale version is **13.8375, 14.5581, 15.8538**.

A 20% lighter version of the original color is **35.0798, 37.3633, 73.7695**, and **5.1044, 5.3491, 16.6830** is the 20% darker color. If you saturate the color by 10%, you get **13.5004, 14.0785, 38.0826**, and if you desaturate by 10%, it is **17.6611, 19.0654, 38.8259**.

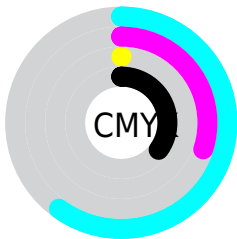
Distribution



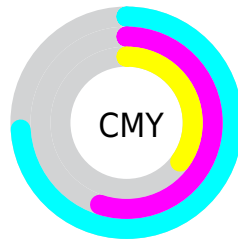
- Red (26%)
- Green (45%)
- Blue (65%)



- Red (26%)
- Yellow (39%)
- Blue (65%)



- Cyan (60%)
- Magenta (30%)
- Yellow (0%)
- Black (35%)



- Cyan (74%)
- Magenta (55%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3751, 16.4022, 38.4320 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 15.3751, 16.4022, 38.4320 by changing the saturation by 10% instead.

■ 15.3751, 16.4022,
38.4320

■ 15.3751, 16.4022,
38.4320

218.9691,
231.7035, 354.8231

■ 9.1711, 9.8092,
26.0137

■ 35.0762, 37.2950,
73.9806

■ 4.9109, 5.2726,
16.6080

■ 49.3039, 52.3637,
97.9479

■ 2.2293, 2.4081,
9.7964

■ 66.9370, 71.0263,
126.6020

■ 0.7581, 0.8301,
5.1604

■ 88.3407, 93.6674,
160.3615

■ 0.0000, 0.0000,
2.2813

■ 113.8804,
120.6712, 199.6447

■ 0.0000, 0.0000,
0.7207

143.9215,

■ 0.0000, 0.0000,

152.4223, 244.8704

0.0000

178.8293,
189.3049, 296.4570

■ 15.3751, 16.4022,
38.4320

■ 15.3751, 16.4022,
38.4320

■ 13.5004, 14.0785,
38.0826

■ 17.6611, 19.0654,
38.8259

■ 12.0039, 12.0732,
37.7744

■ 20.3842, 22.0837,
39.2650

■ 10.8499, 10.3646,
37.5055

■ 23.5701, 25.4739,
39.7514

■ 9.9761, 8.9394,
37.2764

■ 27.2418, 29.2506,
40.2869

■ 31.4207, 33.4278,
40.8729

■ 36.1268, 38.0186,
41.5110

■ 41.3791, 43.0355,
42.2025

■ 47.1955, 48.4903,
42.9488

■ 53.5930, 54.3945,
43.7513

Harmonies

Analogous

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



12.8578, 16.4022, 34.5719



15.3751, 16.4022, 38.4320



18.2654, 16.4022, 35.5403

Triad

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



15.3751, 16.4022, 38.4320



20.9276, 16.4022, 11.5371



11.4212, 16.4022, 10.7558

Complementary

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



15.3751, 16.4022, 38.4320



22.9555, 20.9923, 7.9971

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.



13.1891, 16.4022, 7.3010



15.3751, 16.4022, 38.4320



18.6838, 16.4022, 7.6466

Square

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



15.3751, 16.4022, 38.4320



21.6932, 16.4022, 18.4841



15.8065, 16.4022, 6.3636



10.7542, 16.4022, 17.2486

Rectangle

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



15.3751, 16.4022, 38.4320



19.9799, 16.4022, 30.5467



15.8065, 16.4022, 6.3636



11.8951, 16.4022, 9.2847

Sweetspot

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



15.3757, 16.4028, 38.4324



50.8125, 54.4729, 73.3115



19.0360, 29.6922, 21.2518



10.9190, 11.7327, 16.3413



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



15.3757, 16.4028, 38.4324



23.5891, 24.3626, 68.9345



11.0786, 7.8087, 37.0001



7.4300, 7.8970, 9.5510



7.7827, 7.0256, 28.9214



0.2406, 0.2734, 0.7207

Inverse Universe

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



20.8270, 13.2651, 17.9862



34.8328, 19.8738, 26.3182



30.3459, 35.7732, 10.4606



7.6817, 7.6025, 8.6408



13.4289, 6.7803, 7.0703



0.3526, 0.1753, 0.3081

Previews

White Background



This preview shows how the XYZ color 15.3751, 16.4022, 38.4320 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 15.3751, 16.4022, 38.4320 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

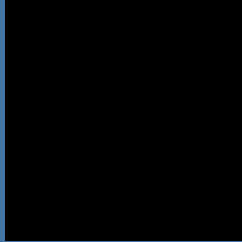
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.3751, 16.4022, 38.4320

Background



This preview shows how black text looks on a background with the XYZ color 15.3751, 16.4022, 38.4320.

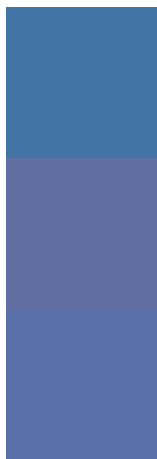


This preview shows how white text looks on a background with the XYZ color 15.3751, 16.4022,

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

15.3751, 16.4022, 38.4320

Protanopia

16.8328, 16.2119, 35.9602

Deuteranopia

16.7937, 16.4531, 38.8499



Tritanopia

12.4896, 16.2888, 24.3156

Trichromacy



Original Color

15.3751, 16.4022, 38.4320

Protanomaly

16.1513, 16.1640, 36.9190

Deuteranomaly

16.1884, 16.3057, 38.8533

Tritanomaly

13.3814, 16.2873, 28.8240

Monochromacy



Original Color

15.3751, 16.4022, 38.4320

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.8858, 14.9857, 22.5827

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3751, 16.4022, 38.4320 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(66, 116, 166)` looks like.

```
.text, #text, p{  
    color:rgb(66, 116, 166)  
}
```

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(66, 116, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 116, 166) }
```

Border

The CSS property to change the border of an element to XYZ 15.3751, 16.4022, 38.4320 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(66, 116, 166) }
```


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

```
.border{ border-color:rgb(66, 116, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 116, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 116, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 116, 166);  
box-shadow:4px 4px 4px 4px rgb(66, 116,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3751, 16.4022, 38.4320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 116, 166) }
```

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

```
.background{ background-color: rgb(66, 116,  
166) }
```

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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