

Converting Colors

XYZ(16.7331, 15.4749, 52.5571)

Have a look what the booklet for
XYZ(16.7331, 15.4749, 52.5571)
contains.

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Color

**XYZ(16.7331, 15.4749,
52.5571)**

Conversions

Conversions Part 1

Format	Color
Hex	3A6CC1
RGB	58, 108, 193
RGB Percent	23%, 42%, 76%
CMY	0.7725, 0.5765, 0.2431
CMYK	0.70, 0.44, 0.00, 0.24
HSL	218°, 54%, 49%
HSV	218°, 70%, 76%
XYZ	16.7331, 15.4749, 52.5571
YIQ	102.7400, -57.0850, 15.8350

Conversions

Conversions Part 2

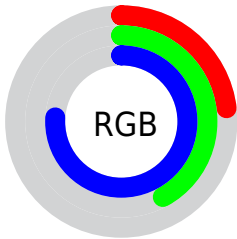
Format	Color
R_{YB}	58, 94, 193
Decimal	3828929
CIE _{Lab}	46.28, 11.79, -49.51
CIE _{LCh}	46, 50.896, 283.396
Yxy	15.4749, 0.1974, 0.1826
Android (android.graphics.Color)	4282019009 (0xFF3A6CC1)
YUV	102.7400, 44.4982, -39.2370
Hunter-Lab	39.3381, 7.0860, -51.6767

Details

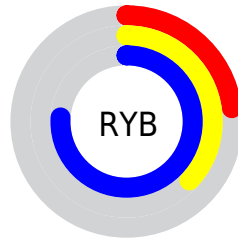
The XYZ color **16.7331, 15.4749, 52.5571** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark muted azure. A complement of this color would be **32.5801, 31.2904, 8.3266**, and the grayscale version is **12.7216, 13.3841, 14.5753**.

A 20% lighter version of the original color is **37.3992, 35.6915, 95.3605**, and **6.3289, 5.2016, 25.0965** is the 20% darker color. If you saturate the color by 10%, you get **14.6204, 12.6140, 52.1166**, and if you desaturate by 10%, it is **19.4461, 18.9108, 53.0777**.

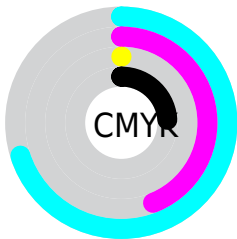
Distribution



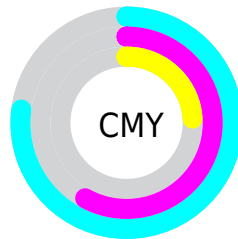
- Red (23%)
- Green (42%)
- Blue (76%)



- Red (23%)
- Yellow (37%)
- Blue (76%)



- Cyan (70%)
- Magenta (44%)
- Yellow (0%)
- Black (24%)



- Cyan (77%)
- Magenta (58%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7331, 15.4749, 52.5571 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 16.7331, 15.4749, 52.5571 by changing the saturation by 10% instead.

■ 16.7331, 15.4749,
52.5571

■ 16.7331, 15.4749,
52.5571

226.8159,
226.2229, 413.6016

■ 10.1385, 9.1534,
37.0640

■ 37.4136, 35.6842,
95.3873

■ 5.5539, 4.8413,
24.9609

■ 52.2302, 50.3407,
123.5614

■ 2.6138, 2.1545,
15.8292

■ 70.5181, 68.5443,
156.7997

■ 0.9530, 0.6950,
9.2503

■ 92.6428, 90.6794,
195.5206

■ 0.0000, 0.0000,
4.8058

■ 118.9696,
117.1305, 240.1427

■ 0.0000, 0.0000,
2.0770

149.8638,

■ 0.0000, 0.0000,

148.2818, 291.0845

0.6020

185.6908,
184.5178, 348.7646

■ 0.0000, 0.0000,
0.0000

■ 16.7331, 15.4749,
52.5571

■ 16.7331, 15.4749,
52.5571

■ 14.6204, 12.6140,
52.1166

■ 19.4461, 18.9108,
53.0777

■ 13.0491, 10.2864,
51.7501

■ 22.8066, 22.9558,
53.6813

■ 11.9150, 8.4269,
51.4510

■ 26.8588, 27.6427,
54.3724

■ 11.9093, 8.4174,
51.4495

■ 31.6422, 33.0010,
55.1545

■ 37.1931, 39.0583,
56.0311

■ 43.5455, 45.8406,
57.0055

■ 50.7309, 53.3723,
58.0805

■ 58.7793, 61.6767,
59.2592

■ 67.7192, 70.7760,
60.5444

Harmonies

Analogous

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



12.4449, 15.4749, 51.8195



16.7331, 15.4749, 52.5571



21.2375, 15.4749, 40.9442

Triad

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



16.7331, 15.4749, 52.5571



21.6634, 15.4749, 5.1669



8.0596, 15.4749, 10.8883

Complementary

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



16.7331, 15.4749, 52.5571



32.5801, 31.2904, 8.3266

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.



9.6768, 15.4749, 4.7475



16.7331, 15.4749, 52.5571



17.2310, 15.4749, 2.7391

Square

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



16.7331, 15.4749, 52.5571



24.4403, 15.4749, 11.8857



12.8540, 15.4749, 2.6370



7.9787, 15.4749, 23.0326

Rectangle

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



16.7331, 15.4749, 52.5571



23.5286, 15.4749, 30.0181



12.8540, 15.4749, 2.6370



8.4245, 15.4749, 8.2362

Sweetspot

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



16.7338, 15.4754, 52.5575



65.1517, 68.3745, 100.1240



25.6421, 40.9706, 31.8550



13.3654, 14.0044, 21.3840



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



16.7338, 15.4754, 52.5575



24.5600, 20.2385, 92.9723



13.9446, 8.3235, 51.3241



9.8270, 10.3453, 12.7637



7.9917, 5.7399, 34.2433



0.4115, 0.3804, 1.5016

Inverse Universe

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



26.2128, 15.4472, 15.7876



43.4004, 23.1235, 19.2294



38.0228, 47.8224, 11.2307



10.2240, 10.1382, 11.2700



15.4298, 7.8617, 4.9095



0.7001, 0.3530, 0.3880

Previews

White Background



This preview shows how the XYZ color 16.7331, 15.4749, 52.5571 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 16.7331, 15.4749, 52.5571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

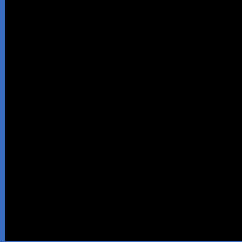
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7331, 15.4749, 52.5571

Background



This preview shows how black text looks on a background with the XYZ color 16.7331, 15.4749, 52.5571.



This preview shows how white text looks on a background with the XYZ color 16.7331, 15.4749,

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

16.7331, 15.4749, 52.5571

Protanopia

17.0838, 15.3717, 51.3568

Deuteranopia

15.9264, 15.5497, 52.0312



Tritanopia

10.9341, 15.3134, 23.8522

Trichromacy



Original Color

16.7331, 15.4749, 52.5571

Protanomaly

17.0189, 15.4794, 51.9600

Deuteranomaly

16.1291, 15.4931, 52.0095

Tritanomaly

12.3874, 14.9833, 32.8110

Monochromacy



Original Color

16.7331, 15.4749, 52.5571

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.4260, 13.9070, 25.2692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7331, 15.4749, 52.5571 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(58, 108, 193)` looks like.

```
.text, #text, p{  
    color:rgb(58, 108, 193)  
}
```

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(58, 108, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 108, 193) }
```

Border

The CSS property to change the border of an element to XYZ 16.7331, 15.4749, 52.5571 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(58, 108, 193) }
```


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

```
.border{ border-color:rgb(58, 108, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 108, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 108, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 108, 193);  
box-shadow:4px 4px 4px 4px rgb(58, 108,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7331, 15.4749, 52.5571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 108, 193) }
```

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

```
.background{ background-color: rgb(58, 108,  
193) }
```

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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