

Converting Colors

XYZ(16.6937, 10.2383, 60.4276)

Have a look what the booklet for
XYZ(16.6937, 10.2383, 60.4276)
contains.

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Color

**XYZ(16.6630, 10.2686,
60.1353)**

Conversions

Conversions Part 1

Format	Color
Hex	5143CF
RGB	81, 67, 207
RGB Percent	32%, 26%, 81%
CMY	0.6823, 0.7373, 0.1882
CMYK	0.61, 0.68, 0.00, 0.19
HSL	246°, 59%, 54%
HSV	246°, 68%, 81%
XYZ	16.6630, 10.2686, 60.1353
YIQ	87.1460, -36.5960, 46.5080

Conversions

Conversions Part 2

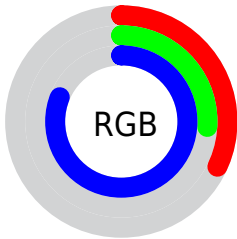
Format	Color
R_{YB}	81, 67, 207
Decimal	5325775
CIE _{Lab}	38.32, 45.70, -70.44
CIE _{LCh}	38, 83.963, 302.976
Yxy	10.2686, 0.1914, 0.1179
Android (android.graphics.Color)	4283515855 (0xFF5143CF)
YUV	87.1460, 59.0880, -5.3900
Hunter-Lab	32.0447, 36.7406, -88.8329

Details

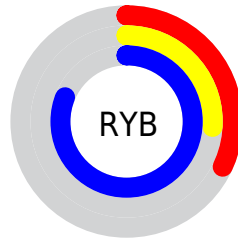
The XYZ color **16.6630, 10.2686, 60.1353** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **45.3164, 56.3675, 13.8016**, and the grayscale version is **8.9735, 9.4408, 10.2810**.

A 20% lighter version of the original color is **35.6231, 25.5504, 97.6619**, and **5.8541, 2.7707, 29.5044** is the 20% darker color. If you saturate the color by 10%, you get **14.2617, 7.5188, 59.7314**, and if you desaturate by 10%, it is **19.9430, 14.1238, 60.7068**.

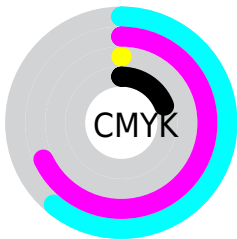
Distribution



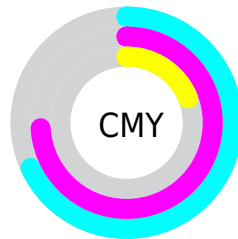
- Red (32%)
- Green (26%)
- Blue (81%)



- Red (32%)
- Yellow (26%)
- Blue (81%)



- Cyan (61%)
- Magenta (68%)
- Yellow (0%)
- Black (19%)



- Cyan (68%)
- Magenta (74%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6630, 10.2686, 60.1353 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 16.6630, 10.2686, 60.1353 by changing the saturation by 10% instead.

■ 16.6630, 10.2686,
60.1353

■ 16.6630, 10.2686,
60.1353

226.4171,
192.5785, 442.9148

■ 10.0883, 5.5774,
43.1017

■ 37.2937, 26.2995,
106.5712

■ 5.5203, 2.5899,
29.6329

■ 52.0804, 38.4080,
136.8106

■ 2.5935, 0.9216,
19.3104

■ 70.3351, 53.7577,
172.2890

■ 0.9426, 0.0000,
11.7157

■ 92.4233, 72.7331,
213.4249

■ 0.0000, 0.0000,
6.4302

■ 118.7102, 95.7184,
260.6369

■ 0.0000, 0.0000,
3.0354

149.5612,

■ 0.0000, 0.0000,

123.0982, 314.3435

1.1128

185.3418,
155.2567, 374.9633

■ 0.0000, 0.0000,
0.0000

■ 16.6630, 10.2686,
60.1353

■ 16.6630, 10.2686,
60.1353

■ 14.2617, 7.5188,
59.7314

■ 19.9430, 14.1238,
60.7068

■ 12.6511, 5.7561,
59.4760

■ 24.1745, 19.1846,
61.4606

■ 11.7196, 4.8196,
59.3444

■ 29.4250, 25.5410,
62.4108

■ 11.5657, 4.6613,
59.3219

■ 35.7549, 33.2740,
63.5698

■ 43.2203, 42.4581,
64.9490

■ 51.8732, 53.1622,
66.5591

■ 61.7622, 65.4510,
68.4099

■ 72.9335, 79.3855,
70.5107

■ 85.4306, 95.0233,
72.8704

Harmonies

Analogous

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



10.3154, 10.2686, 76.1206



16.6630, 10.2686, 60.1353



22.4196, 10.2686, 31.1649

Triad

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



16.6630, 10.2686, 60.1353



15.3503, 10.2686, 0.0000



2.5812, 10.2686, 12.8158

Complementary

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



16.6630, 10.2686, 60.1353



45.3164, 56.3675, 13.8016

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.



3.0763, 10.2686, 2.3275



16.6630, 10.2686, 60.1353



9.2249, 10.2686, 0.0000

Square

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



16.6630, 10.2686, 60.1353



21.4838, 10.2686, 1.5010



5.0879, 10.2686, 0.0000



3.3358, 10.2686, 36.8335

Rectangle

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



16.6630, 10.2686, 60.1353



24.3300, 10.2686, 15.2757



5.0879, 10.2686, 0.0000



2.6079, 10.2686, 7.8920

Sweetspot

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



16.6636, 10.2688, 60.1356



65.9665, 63.9761, 103.4795



32.6472, 43.8383, 65.7727



13.3802, 12.7834, 22.0122



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



16.6636, 10.2688, 60.1356



21.5880, 10.6404, 95.5237



26.0321, 15.0985, 60.5740



11.2719, 11.4735, 14.8642



7.3242, 2.9560, 37.3770



0.4479, 0.1850, 2.0917

Inverse Universe

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



37.3641, 21.1296, 52.5566



57.2146, 29.3706, 80.7466



31.4943, 49.2420, 13.1548



12.2577, 11.9878, 14.6328



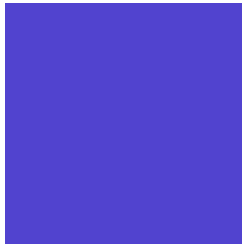
21.8358, 10.6071, 30.3710



1.2360, 0.5991, 1.7776

Previews

White Background



This preview shows how the XYZ color 16.6630, 10.2686, 60.1353 looks on a white background.

Color Contrast Check

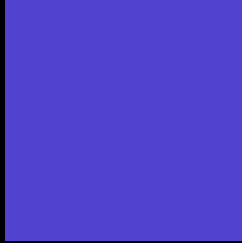
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6630, 10.2686, 60.1353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

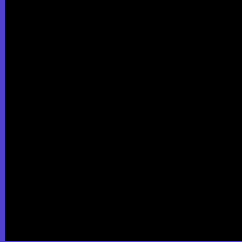
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6630, 10.2686, 60.1353

Background



This preview shows how black text looks on a background with the XYZ color 16.6630, 10.2686, 60.1353.



This preview shows how white text looks on a background with the XYZ color 16.6630, 10.2686,

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

16.6630, 10.2686, 60.1353

Protanopia

11.9554, 10.2353, 46.1452

Deuteranopia

9.9129, 10.0886, 33.3231



Tritanopia

7.6808, 10.2765, 15.4887

Trichromacy



Original Color

16.6630, 10.2686, 60.1353

Protanomaly

12.8898, 9.8043, 51.0822

Deuteranomaly

11.3378, 9.5429, 41.8018

Tritanomaly

9.6327, 9.4525, 27.3034

Monochromacy



Original Color

16.6630, 10.2686, 60.1353

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

10.7117, 9.3073, 22.7047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6630, 10.2686, 60.1353 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(81, 67, 207)` looks like.

```
.text, #text, p{  
    color:rgb(81, 67, 207)  
}
```

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(81, 67, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 67, 207) }
```

Border

The CSS property to change the border of an element to XYZ 16.6630, 10.2686, 60.1353 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(81, 67, 207) }
```


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

```
.border{ border-color:rgb(81, 67, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 67, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 67, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 67, 207);  
box-shadow:4px 4px 4px 4px rgb(81, 67,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6630, 10.2686, 60.1353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 67, 207) }
```

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

```
.background{ background-color: rgb(81, 67,  
207) }
```

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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