

Converting Colors

XYZ(15.9296, 15.1510, 45.7226)

Have a look what the booklet for
XYZ(15.9296, 15.1510, 45.7226)
contains.

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Color

**XYZ(16.0178, 15.2546,
45.8163)**

Conversions

Conversions Part 1

Format	Color
Hex	436CB5
RGB	67, 108, 181
RGB Percent	26%, 42%, 71%
CMY	0.7372, 0.5765, 0.2902
CMYK	0.63, 0.40, 0.00, 0.29
HSL	218°, 46%, 49%
HSV	218°, 63%, 71%
XYZ	16.0178, 15.2546, 45.8163
YIQ	104.0630, -47.8690, 14.0110

Conversions

Conversions Part 2

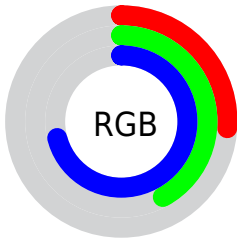
Format	Color
R _{YB}	67, 97, 181
Decimal	4418741
CIE Lab	45.98, 9.02, -43.01
CIE LCh	46, 43.943, 281.845
Yxy	15.2546, 0.2078, 0.1979
Android (android.graphics.Color)	4282608821 (0xFF436CB5)
YUV	104.0630, 37.9299, -32.5043
Hunter-Lab	39.0571, 4.8550, -42.2106

Details

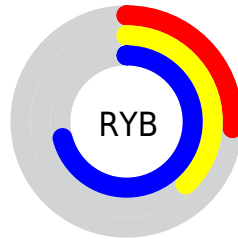
The XYZ color **16.0178, 15.2546, 45.8163** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **29.4485, 28.9871, 9.3541**, and the grayscale version is **13.0865, 13.7680, 14.9934**.

A 20% lighter version of the original color is **36.1416, 35.2707, 85.0238**, and **5.5650, 4.8960, 21.0738** is the 20% darker color. If you saturate the color by 10%, you get **13.8231, 12.4277, 45.3866**, and if you desaturate by 10%, it is **18.7640, 18.6075, 46.3191**.

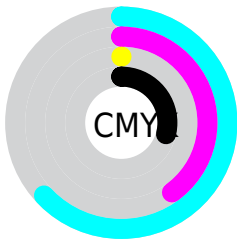
Distribution



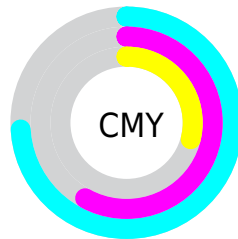
- Red (26%)
- Green (42%)
- Blue (71%)



- Red (26%)
- Yellow (38%)
- Blue (71%)



- Cyan (63%)
- Magenta (40%)
- Yellow (0%)
- Black (29%)



- Cyan (74%)
- Magenta (58%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0178, 15.2546, 45.8163 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 16.0178, 15.2546, 45.8163 by changing the saturation by 10% instead.

■ 16.0178, 15.2546,
45.8163

■ 16.0178, 15.2546,
45.8163

222.7151,
224.9021, 386.3257

■ 9.6277, 8.9983,
31.7533

■ 36.1863, 35.2992,
85.2754

■ 5.2132, 4.7401,
20.9099

■ 50.6954, 49.8563,
111.5085

■ 2.4089, 2.0956,
12.8675

■ 68.6415, 67.9490,
142.6355

■ 0.8496, 0.6621,
7.2077

■ 90.3900, 89.9619,
179.0747

■ 0.0000, 0.0000,
3.5119

■ 116.3063,
116.2792, 221.2448

■ 0.0000, 0.0000,
1.3616

146.7556,

■ 0.0000, 0.0000,

147.2854, 269.5643

0.1115

182.1034,
183.3649, 324.4518

■ 0.0000, 0.0000,
0.0000

■ 16.0178, 15.2546,
45.8163

■ 16.0178, 15.2546,
45.8163

■ 13.8231, 12.4277,
45.3866

■ 18.7640, 18.6075,
46.3191

■ 12.1341, 10.0931,
45.0251

■ 22.0987, 22.5138,
46.8973

■ 10.8998, 8.2147,
44.7275

■ 26.0573, 27.0004,
47.5547

■ 10.2361, 7.1274,
44.5526

■ 30.6719, 32.0920,
48.2942

■ 35.9724, 37.8117,
49.1189

■ 41.9866, 44.1812,
50.0313

■ 48.7407, 51.2211,
51.0342

■ 56.2597, 58.9513,
52.1300

■ 64.5672, 67.3906,
53.3210

Harmonies

Analogous

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



12.3821, 15.2546, 44.6779



16.0178, 15.2546, 45.8163



19.8148, 15.2546, 37.0266

Triad

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



16.0178, 15.2546, 45.8163



20.5085, 15.2546, 6.3473



8.7079, 15.2546, 11.0085

Complementary

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



16.0178, 15.2546, 45.8163



29.4485, 28.9871, 9.3541

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.



10.2307, 15.2546, 5.5441



16.0178, 15.2546, 45.8163



16.8444, 15.2546, 3.7565

Square

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



16.0178, 15.2546, 45.8163



22.6888, 15.2546, 12.7487



13.0795, 15.2546, 3.5440



8.5636, 15.2546, 21.1807

Rectangle

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



16.0178, 15.2546, 45.8163



21.7660, 15.2546, 28.2750



13.0795, 15.2546, 3.5440



9.0617, 15.2546, 8.6961

Sweetspot

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



16.0184, 15.2551, 45.8167



58.2641, 61.0950, 87.0163



23.5142, 36.1115, 30.2347



12.0357, 12.6000, 18.7199



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



16.0184, 15.2551, 45.8167



23.3530, 20.3595, 80.9935



13.8457, 9.1544, 44.7536



8.2838, 8.7138, 10.7517



7.1170, 5.0344, 30.7336



0.2804, 0.2714, 0.9858

Inverse Universe

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



23.7706, 14.9216, 15.8150



38.9739, 21.8184, 20.0614



33.2216, 41.5389, 11.5780



8.6184, 8.5541, 9.4891



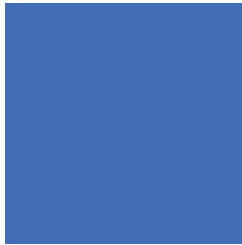
13.8270, 7.0484, 4.2489



0.4636, 0.2332, 0.2839

Previews

White Background



This preview shows how the XYZ color 16.0178, 15.2546, 45.8163 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 16.0178, 15.2546, 45.8163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

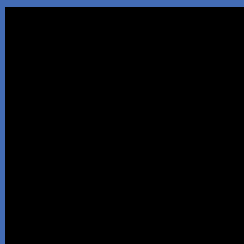
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.0178, 15.2546, 45.8163

Background



This preview shows how black text looks on a background with the XYZ color 16.0178, 15.2546, 45.8163.



This preview shows how white text looks on a background with the XYZ color 16.0178, 15.2546,

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

16.0178, 15.2546, 45.8163

Protanopia

16.5152, 15.2250, 44.7161

Deuteranopia

15.6726, 15.2341, 45.8305



Tritanopia

11.4343, 15.2297, 23.1059

Trichromacy



Original Color

16.0178, 15.2546, 45.8163

Protanomaly

16.3976, 15.3065, 45.2702

Deuteranomaly

15.8590, 15.3302, 45.8392

Tritanomaly

12.7914, 15.0777, 30.2531

Monochromacy



Original Color

16.0178, 15.2546, 45.8163

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.5308, 13.9932, 23.8176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0178, 15.2546, 45.8163 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(67, 108, 181)` looks like.

```
.text, #text, p{  
    color:rgb(67, 108, 181)  
}
```

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(67, 108, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 108, 181) }
```

Border

The CSS property to change the border of an element to XYZ 16.0178, 15.2546, 45.8163 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(67, 108, 181) }
```


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

```
.border{ border-color:rgb(67, 108, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 108, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 108, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 108, 181);  
box-shadow:4px 4px 4px 4px rgb(67, 108,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0178, 15.2546, 45.8163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 108, 181) }
```

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

```
.background{ background-color: rgb(67, 108,  
181) }
```

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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