

Converting Colors

XYZ(18.6756, 14.6648, 60.2394)

Have a look what the booklet for
XYZ(18.6756, 14.6648, 60.2394)
contains.

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Color

**XYZ(18.7235, 14.7111,
60.2452)**

Conversions

Conversions Part 1

Format	Color
Hex	5061CE
RGB	80, 97, 206
RGB Percent	31%, 38%, 81%
CMY	0.6863, 0.6196, 0.1922
CMYK	0.61, 0.53, 0.00, 0.19
HSL	232°, 56%, 56%
HSV	232°, 61%, 81%
XYZ	18.7235, 14.7111, 60.2452
YIQ	104.3430, -45.1210, 30.2950

Conversions

Conversions Part 2

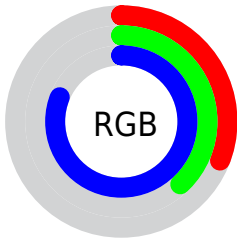
Format	Color
R_{YB}	80, 95, 206
Decimal	5267918
CIE _{Lab}	45.24, 26.98, -58.61
CIE _{LCh}	45, 64.524, 294.718
Yxy	14.7111, 0.1999, 0.1570
Android (android.graphics.Color)	4283457998 (0xFF5061CE)
YUV	104.3430, 50.1169, -21.3488
Hunter-Lab	38.3551, 20.0157, -66.2797

Details

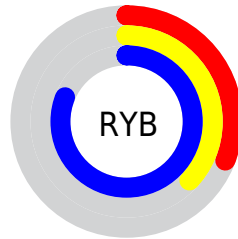
The XYZ color **18.7235, 14.7111, 60.2452** is a dark color, and the websafe version is hex **6666CC**. The color can be described as dark muted azure. A complement of this color would be **45.1008, 50.0988, 14.8836**, and the grayscale version is **13.1291, 13.8129, 15.0422**.

A 20% lighter version of the original color is **39.2989, 33.6629, 99.0340**, and **6.7697, 4.6020, 29.8096** is the 20% darker color. If you saturate the color by 10%, you get **15.7774, 11.0164, 59.6877**, and if you desaturate by 10%, it is **22.5739, 19.4212, 60.9518**.

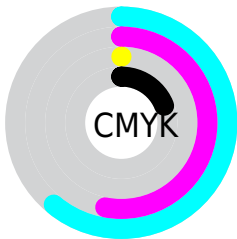
Distribution



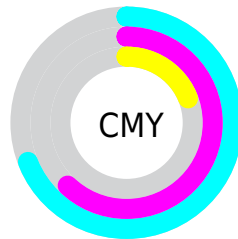
- Red (31%)
- Green (38%)
- Blue (81%)



- Red (31%)
- Yellow (37%)
- Blue (81%)



- Cyan (61%)
- Magenta (53%)
- Yellow (0%)
- Black (19%)



- Cyan (69%)
- Magenta (62%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7235, 14.7111, 60.2452 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 18.7235, 14.7111, 60.2452 by changing the saturation by 10% instead.

■ 18.7235, 14.7111,
60.2452

■ 18.7235, 14.7111,
60.2452

237.8856,
221.6109, 443.3307

■ 11.5735, 8.6169,
43.1897

■ 40.7868, 34.3456,
106.7321

■ 6.5241, 4.4921,
29.7015

■ 56.4309, 48.6546,
137.0007

■ 3.2100, 1.9525,
19.3620

■ 75.6370, 66.4707,
172.5106

■ 1.2657, 0.5797,
11.7527

■ 98.7705, 88.1782,
213.6805

■ 0.1574, 0.0000,
6.4550

126.1967,
114.1616, 260.9290

■ 0.0000, 0.0000,
3.0505

158.2811,

■ 0.0000, 0.0000,

144.8053, 314.6744

1.1205

195.3889,
180.4935, 375.3355

■ 0.0000, 0.0000,
0.0000

■ 18.7235, 14.7111,
60.2452

■ 18.7235, 14.7111,
60.2452

■ 15.7774, 11.0164,
59.6877

■ 22.5739, 19.4212,
60.9518

■ 13.6579, 8.2597,
59.2673

■ 27.3935, 25.2138,
61.8158

■ 12.2775, 6.3539,
58.9722

■ 33.2434, 32.1513,
62.8466

■ 11.5509, 5.2767,
58.8026

■ 40.1792, 40.2914,
64.0522

■ 48.2522, 49.6876,
65.4404

■ 57.5108, 60.3902,
67.0182

■ 68.0002, 72.4468,
68.7925

■ 79.7636, 85.9025,
70.7697

■ 88.1406, 97.2363,
72.5158

Harmonies

Analogous

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



13.0595, 14.7111, 66.6664



18.7235, 14.7111, 60.2452



24.1348, 14.7111, 39.6734

Triad

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



18.7235, 14.7111, 60.2452



20.7811, 14.7111, 2.0157



6.0555, 14.7111, 13.4634

Complementary

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



18.7235, 14.7111, 60.2452



45.1008, 50.0988, 14.8836

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.



7.1710, 14.7111, 4.3383



18.7235, 14.7111, 60.2452



14.9479, 14.7111, 0.9608

Square

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



18.7235, 14.7111, 60.2452



25.5189, 14.7111, 6.6087



10.1180, 14.7111, 1.4101



6.5830, 14.7111, 31.7033

Rectangle

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



18.7235, 14.7111, 60.2452



26.3901, 14.7111, 25.0724



10.1180, 14.7111, 1.4101



6.2400, 14.7111, 9.4572

Sweetspot

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



18.7242, 14.7115, 60.2456



68.7475, 69.5392, 104.4068



34.3607, 49.4408, 54.8026



13.9318, 13.9705, 22.2122



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.



18.7242, 14.7115, 60.2456



24.4927, 16.4778, 96.4974



22.3370, 14.4873, 60.0119



10.7218, 11.0839, 14.1447



7.1538, 3.3316, 36.2223



0.4099, 0.2536, 1.8823

Inverse Universe

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



30.4806, 19.7232, 13.5099



45.3774, 26.3052, 13.2658



38.4001, 52.3933, 15.6796



11.2729, 11.2379, 11.9718



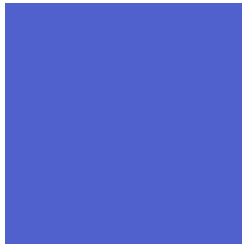
15.8218, 8.1393, 1.5144



0.8368, 0.4281, 0.1867

Previews

White Background



This preview shows how the XYZ color 18.7235, 14.7111, 60.2452 looks on a white background.

Color Contrast Check

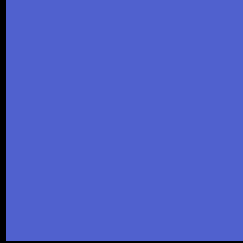
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7235, 14.7111, 60.2452 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 18.7235, 14.7111, 60.2452

Background



This preview shows how black text looks on a background with the XYZ color 18.7235, 14.7111, 60.2452.



This preview shows how white text looks on a background with the XYZ color 18.7235, 14.7111,

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

18.7235, 14.7111, 60.2452

Protanopia

17.3936, 14.7940, 64.2261

Deuteranopia

14.8726, 14.6989, 51.3435



Tritanopia

11.0416, 14.7004, 21.9942

Trichromacy



Original Color

18.7235, 14.7111, 60.2452

Protanomaly

17.6518, 14.6643, 62.8729

Deuteranomaly

15.5221, 14.3499, 54.1763

Tritanomaly

13.0679, 14.3306, 33.0877

Monochromacy



Original Color

18.7235, 14.7111, 60.2452

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.1807, 13.6633, 27.0892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7235, 14.7111, 60.2452 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(80, 97, 206)` looks like.

```
.text, #text, p{  
    color:rgb(80, 97, 206)  
}
```

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(80, 97, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 97, 206) }
```

Border

The CSS property to change the border of an element to XYZ 18.7235, 14.7111, 60.2452 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(80, 97, 206) }
```


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

```
.border{ border-color:rgb(80, 97, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 97, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 97, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 97, 206);  
box-shadow:4px 4px 4px 4px rgb(80, 97,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7235, 14.7111, 60.2452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 97, 206) }
```

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

```
.background{ background-color: rgb(80, 97,  
206) }
```

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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