

Converting Colors

XYZ(17.8918, 15.4872, 64.9971)

Have a look what the booklet for
XYZ(17.8918, 15.4872, 64.9971)
contains.

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Color

**XYZ(17.8918, 15.4872,
64.9971)**

Conversions

Conversions Part 1

Format	Color
Hex	246AD5
RGB	36, 106, 213
RGB Percent	14%, 42%, 84%
CMY	0.8588, 0.5843, 0.1647
CMYK	0.83, 0.50, 0.00, 0.16
HSL	216°, 71%, 49%
HSV	216°, 83%, 84%
XYZ	17.8918, 15.4872, 64.9971
YIQ	97.2680, -76.0670, 18.4370

Conversions

Conversions Part 2

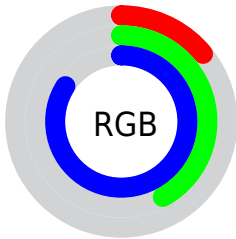
Format	Color
R _Y B	36, 86, 213
Decimal	2386645
CIE Lab	46.29, 18.05, -61.00
CIE LCh	46, 63.609, 286.480
Yxy	15.4872, 0.1819, 0.1574
Android (android.graphics.Color)	4280576725 (0xFF246AD5)
YUV	97.2680, 57.0559, -53.7320
Hunter-Lab	39.3538, 12.2841, -70.3763

Details

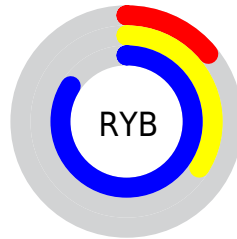
The XYZ color **17.8918, 15.4872, 64.9971** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark washed azure. A complement of this color would be **37.5846, 33.9240, 6.2375**, and the grayscale version is **11.3071, 11.8959, 12.9546**.

A 20% lighter version of the original color is **36.7891, 34.7787, 99.3817**, and **7.7017, 5.6660, 32.5860** is the 20% darker color. If you saturate the color by 10%, you get **16.1279, 12.7536, 64.5628**, and if you desaturate by 10%, it is **20.2981, 18.8479, 65.5193**.

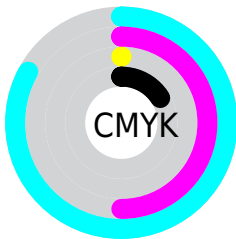
Distribution



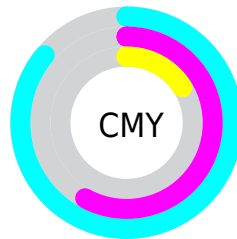
- Red (14%)
- Green (42%)
- Blue (84%)



- Red (14%)
- Yellow (34%)
- Blue (84%)



- Cyan (83%)
- Magenta (50%)
- Yellow (0%)
- Black (16%)



- Cyan (86%)
- Magenta (58%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8918, 15.4872, 64.9971 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 17.8918, 15.4872, 64.9971 by changing the saturation by 10% instead.

■ 17.8918, 15.4872,
64.9971

■ 17.8918, 15.4872,
64.9971

233.3179,
226.2965, 461.0875

■ 10.9716, 9.1620,
47.0074

■ 39.3844, 35.7056,
113.6589

■ 6.1149, 4.8470,
32.6871

■ 54.6875, 50.3677,
145.1681

■ 2.9564, 2.1578,
21.6177

■ 73.5155, 68.5775,
182.0209

■ 1.1307, 0.6968,
13.3806

■ 96.2339, 90.7194,
224.6358

■ 0.0506, 0.0000,
7.5574

■ 123.2079,
117.1779, 273.4314

■ 0.0000, 0.0000,
3.7294

154.8031,

■ 0.0000, 0.0000,

148.3373, 328.8262

1.4781

191.3846,
184.5820, 391.2387

■ 0.0000, 0.0000,
0.2015

■ 0.0000, 0.0000,
0.0000

■ 17.8918, 15.4872,
64.9971

■ 17.8918, 15.4872,
64.9971

■ 16.1279, 12.7536,
64.5628

■ 20.2981, 18.8479,
65.5193

■ 15.1981, 11.1797,
64.3080

■ 23.4212, 22.8863,
66.1342

■ 27.3262, 27.6476,
66.8474

■ 32.0696, 33.1719,
67.6637

■ 37.7023, 39.4960,
68.5875

■ 44.2710, 46.6540,
69.6229

■ 51.8187, 54.6776,
70.7739

■ 60.3857, 63.5971,
72.0439

■ 70.0102, 73.4407,
73.4367

Harmonies

Analogous

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



12.4074, 15.4872, 65.9871



17.8918, 15.4872, 64.9971



23.6838, 15.4872, 47.0513

Triad

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



17.8918, 15.4872, 64.9971



23.1629, 15.4872, 3.1319



6.7116, 15.4872, 10.7838

Complementary

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



17.8918, 15.4872, 64.9971



37.5846, 33.9240, 6.2375

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.



8.3627, 15.4872, 3.5019



17.8918, 15.4872, 64.9971



17.3037, 15.4872, 1.2869

Square

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



17.8918, 15.4872, 64.9971



27.2031, 15.4872, 9.7115



11.9473, 15.4872, 1.3604



6.7948, 15.4872, 26.8704

Rectangle

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



17.8918, 15.4872, 64.9971



26.5469, 15.4872, 31.8674



11.9473, 15.4872, 1.3604



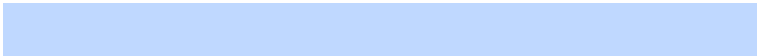
7.0606, 15.4872, 7.5099

Sweetspot

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



17.8925, 15.4876, 64.9975



64.2722, 67.6756, 104.2829



29.4206, 49.9234, 33.7585



12.9954, 13.6579, 22.2012



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.



17.8925, 15.4876, 64.9975



22.6874, 16.4948, 96.5958



14.1478, 6.8434, 63.5264



12.1415, 12.8063, 15.7695



9.3769, 7.0155, 39.3131



0.6451, 0.5823, 2.3977

Inverse Universe

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



30.6737, 16.4496, 15.1941



43.5807, 22.1963, 14.2562



46.6970, 59.3587, 10.6667



12.6246, 12.5013, 13.9634



17.7919, 9.0531, 6.2080



1.1133, 0.5621, 0.5860

Previews

White Background



This preview shows how the XYZ color 17.8918, 15.4872, 64.9971 looks on a white background.

Color Contrast Check

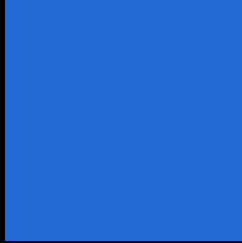
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8918, 15.4872, 64.9971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

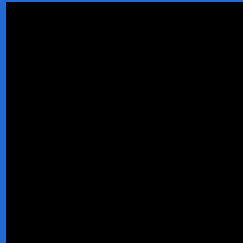
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

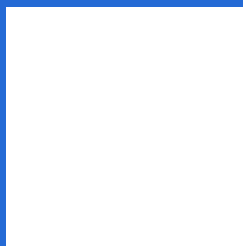
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.8918, 15.4872, 64.9971

Background



This preview shows how black text looks on a background with the XYZ color 17.8918, 15.4872, 64.9971.



This preview shows how white text looks on a background with the XYZ color 17.8918, 15.4872,

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

17.8918, 15.4872, 64.9971

Protanopia

17.9739, 15.3921, 64.3110

Deuteranopia

15.4220, 15.2639, 53.1723



Tritanopia

10.7998, 15.2597, 23.1451

Trichromacy



Original Color

17.8918, 15.4872, 64.9971

Protanomaly

17.8497, 15.3280, 64.3052

Deuteranomaly

16.1772, 15.2399, 57.3473

Tritanomaly

12.7565, 15.1144, 35.5027

Monochromacy



Original Color

17.8918, 15.4872, 64.9971

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.1190, 12.4743, 26.1951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8918, 15.4872, 64.9971 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(36, 106, 213)` looks like.

```
.text, #text, p{  
    color:rgb(36, 106, 213)  
}
```

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(36, 106, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 106, 213) }
```

Border

The CSS property to change the border of an element to XYZ 17.8918, 15.4872, 64.9971 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(36, 106, 213) }
```


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

```
.border{ border-color:rgb(36, 106, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 106, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 106, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 106, 213);  
box-shadow:4px 4px 4px 4px rgb(36, 106,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8918, 15.4872, 64.9971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 106, 213) }
```

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

```
.background{ background-color: rgb(36, 106,  
213) }
```

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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