

Converting Colors

XYZ(18.3414, 18.6299, 46.8852)

Have a look what the booklet for
XYZ(18.3414, 18.6299, 46.8852)
contains.

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Color

**XYZ(18.3414, 18.6299,
46.8852)**

Conversions

Conversions Part 1

Format	Color
Hex	4D79B6
RGB	77, 121, 182
RGB Percent	30%, 47%, 71%
CMY	0.6980, 0.5255, 0.2863
CMYK	0.58, 0.34, 0.00, 0.29
HSL	215°, 42%, 51%
HSV	215°, 58%, 71%
XYZ	18.3414, 18.6299, 46.8852
YIQ	114.7980, -45.8050, 9.6430

Conversions

Conversions Part 2

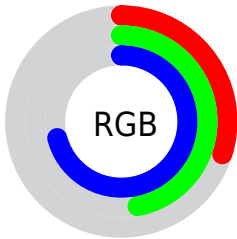
Format	Color
R_{YB}	77, 108, 182
Decimal	5077430
CIE Lab	50.25, 3.37, -36.80
CIE LCh	50, 36.955, 275.232
Yxy	18.6299, 0.2187, 0.2222
Android (android.graphics.Color)	4283267510 (0xFF4D79B6)
YUV	114.7980, 33.1306, -33.1488
Hunter-Lab	43.1624, 0.3176, -34.1902

Details

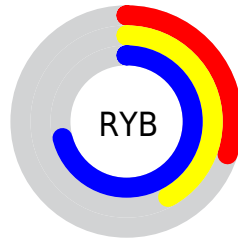
The XYZ color **18.3414, 18.6299, 46.8852** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **29.7203, 28.6591, 10.9874**, and the grayscale version is **16.1481, 16.9891, 18.5011**.

A 20% lighter version of the original color is **40.0491, 41.0467, 86.7009**, and **6.3575, 6.3565, 21.6607** is the 20% darker color. If you saturate the color by 10%, you get **15.8579, 15.5457, 46.4212**, and if you desaturate by 10%, it is **21.3780, 22.2089, 47.4163**.

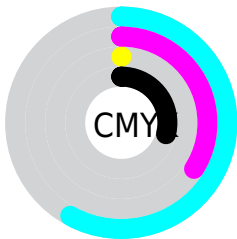
Distribution



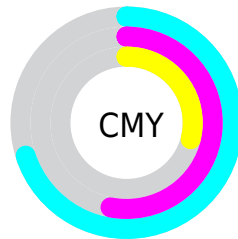
- Red (30%)
- Green (47%)
- Blue (71%)



- Red (30%)
- Yellow (42%)
- Blue (71%)



- Cyan (58%)
- Magenta (34%)
- Yellow (0%)
- Black (29%)



- Cyan (70%)
- Magenta (53%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3414, 18.6299, 46.8852 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 18.3414, 18.6299, 46.8852 by changing the saturation by 10% instead.

■ 18.3414, 18.6299,
46.8852

■ 18.3414, 18.6299,
46.8852

235.7969,
244.3979, 390.7366

■ 11.2965, 11.4032,
32.5912

■ 40.1437, 41.1078,
86.8904

■ 6.3354, 6.3387,
21.5449

■ 55.6319, 57.1277,
113.4387

■ 3.0927, 3.0521,
13.3278

■ 74.6653, 76.8475,
144.9089

■ 1.2030, 1.1590,
7.5213

■ 97.6092, 100.6515,
181.7195

■ 0.1087, 0.0278,
3.7068

■ 124.8289,
128.9242, 224.2890

■ 0.0000, 0.0000,
1.4659

156.6899,

■ 0.0000, 0.0000,

162.0498, 273.0360

0.1924

193.5574,
200.4130, 328.3790

■ 0.0000, 0.0000,
0.0000

■ 18.3414, 18.6299,
46.8852

■ 18.3414, 18.6299,
46.8852

■ 15.8579, 15.5457,
46.4212

■ 21.3780, 22.2089,
47.4163

■ 13.8855, 12.9272,
46.0197

■ 25.0010, 26.3054,
48.0161

■ 12.3792, 10.7442,
45.6777

■ 29.2435, 30.9429,
48.6876

■ 11.2711, 8.9544,
45.3907

■ 34.1352, 36.1427,
49.4335

■ 11.0463, 8.5828,
45.3308

■ 39.7040, 41.9246,
50.2560

■ 45.9759, 48.3077,
51.1575

■ 52.9756, 55.3100,
52.1401

■ 60.7264, 62.9485,
53.2060

■ 69.2508, 71.2399,
54.3571

Harmonies

Analogous

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



14.9805, 18.6299, 43.9270



18.3414, 18.6299, 46.8852



21.9763, 18.6299, 40.9902

Triad

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



18.3414, 18.6299, 46.8852



23.9368, 18.6299, 10.9151



12.1699, 18.6299, 13.1041

Complementary

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



18.3414, 18.6299, 46.8852



29.7203, 28.6591, 10.9874

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.



14.0301, 18.6299, 8.0787



18.3414, 18.6299, 46.8852



20.7462, 18.6299, 7.1454

Square

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



18.3414, 18.6299, 46.8852



25.4730, 18.6299, 18.5421



17.0877, 18.6299, 6.3172



11.7057, 18.6299, 22.1334

Rectangle

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



18.3414, 18.6299, 46.8852



23.9758, 18.6299, 33.7106



17.0877, 18.6299, 6.3172



12.6392, 18.6299, 11.0016

Sweetspot

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



18.3421, 18.6305, 46.8857



62.2684, 65.9268, 89.6790



24.2688, 36.8261, 29.3093



13.3385, 14.1252, 19.7450



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



18.3421, 18.6305, 46.8857



27.7805, 26.9311, 83.9697



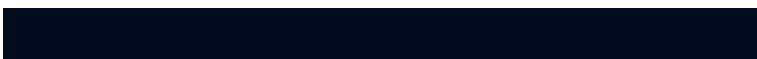
14.7543, 10.5709, 45.5191



8.8221, 9.3213, 11.4137



7.8634, 6.1865, 32.0327



0.3387, 0.3411, 1.1497

Inverse Universe

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



25.3971, 16.6341, 19.9618



42.2806, 24.8191, 28.1866



35.7472, 43.1061, 13.4583



9.1565, 9.0730, 10.1717



14.5828, 7.4069, 5.6896



0.5451, 0.2735, 0.3640

Previews

White Background



This preview shows how the XYZ color 18.3414, 18.6299, 46.8852 looks on a white 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

Black Background



This preview shows how the XYZ color 18.3414, 18.6299, 46.8852 looks on a black 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

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

XYZ 18.3414, 18.6299, 46.8852

Background



This preview shows how black text looks on a background with the XYZ color 18.3414, 18.6299, 46.8852.

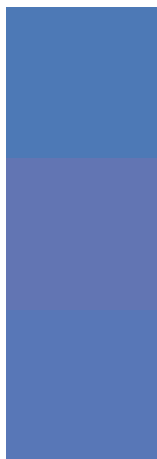


This preview shows how white text looks on a background with the XYZ color 18.3414, 18.6299,

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

18.3414, 18.6299, 46.8852

Protanopia

19.5350, 18.5739, 45.2033

Deuteranopia

19.1686, 18.6873, 47.3965



Tritanopia

14.4474, 18.5546, 27.6309

Trichromacy



Original Color

18.3414, 18.6299, 46.8852

Protanomaly

18.9331, 18.4258, 45.7387

Deuteranomaly

18.9199, 18.7367, 47.4191

Tritanomaly

15.6240, 18.4465, 33.7474

Monochromacy



Original Color

18.3414, 18.6299, 46.8852

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.3883, 17.3534, 26.9119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3414, 18.6299, 46.8852 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(77, 121, 182)` looks like.

```
.text, #text, p{  
    color:rgb(77, 121, 182)  
}
```

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(77, 121, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 121, 182) }
```

Border

The CSS property to change the border of an element to XYZ 18.3414, 18.6299, 46.8852 is called "border". The border property can be set on classes, ids or directly on the HTML element.

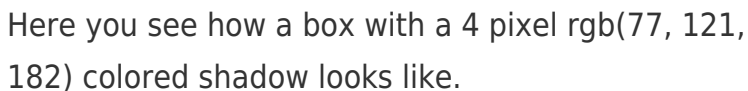
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(77, 121, 182) }
```


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

```
.border{ border-color:rgb(77, 121, 182) }
```

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



Here you see how a box with a 4 pixel `rgb(77, 121, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 121, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 121, 182);  
box-shadow:4px 4px 4px 4px rgb(77, 121,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3414, 18.6299, 46.8852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 121, 182) }
```

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

```
.background{ background-color: rgb(77, 121,  
182) }
```

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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