

Converting Colors

XYZ(18.3562, 19.3615, 46.4615)

Have a look what the booklet for
XYZ(18.3562, 19.3615, 46.4615)
contains.

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Color

**XYZ(18.3466, 19.3811,
46.4900)**

Conversions

Conversions Part 1

Format	Color
Hex	487DB5
RGB	72, 125, 181
RGB Percent	28%, 49%, 71%
CMY	0.7176, 0.5098, 0.2902
CMYK	0.60, 0.31, 0.00, 0.29
HSL	211°, 43%, 50%
HSV	211°, 60%, 71%
XYZ	18.3466, 19.3811, 46.4900
YIQ	115.5370, -49.5640, 6.1800

Conversions

Conversions Part 2

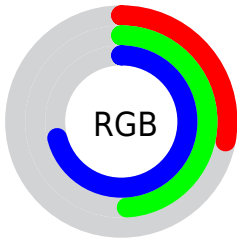
Format	Color
R_{YB}	72, 108, 181
Decimal	4750773
CIE _{Lab}	51.13, -0.39, -34.86
CIE _{LCh}	51, 34.862, 269.358
Yxy	19.3811, 0.2178, 0.2301
Android (android.graphics.Color)	4282940853 (0xFF487DB5)
YUV	115.5370, 32.2733, -38.1819
Hunter-Lab	44.0240, -2.6537, -31.7944

Details

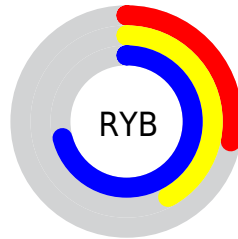
The XYZ color **18.3466, 19.3811, 46.4900** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **27.9460, 25.7316, 9.6257**, and the grayscale version is **16.3752, 17.2280, 18.7613**.

A 20% lighter version of the original color is **40.0615, 42.2258, 86.1597**, and **6.5502, 6.8663, 21.4022** is the 20% darker color. If you saturate the color by 10%, you get **16.0679, 16.5401, 46.0621**, and if you desaturate by 10%, it is **21.1341, 22.6487, 46.9742**.

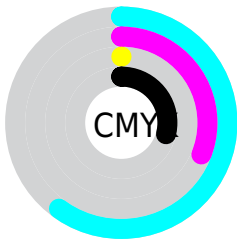
Distribution



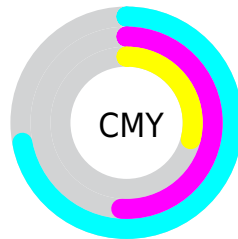
- Red (28%)
- Green (49%)
- Blue (71%)



- Red (28%)
- Yellow (42%)
- Blue (71%)



- Cyan (60%)
- Magenta (31%)
- Yellow (0%)
- Black (29%)



- Cyan (72%)
- Magenta (51%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3466, 19.3811, 46.4900 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 18.3466, 19.3811, 46.4900 by changing the saturation by 10% instead.

■ 18.3466, 19.3811,
46.4900

■ 18.3466, 19.3811,
46.4900

235.8254,
248.5446, 389.1098

■ 11.3003, 11.9460,
32.2812

■ 40.1525, 42.3771,
86.2938

■ 6.3380, 6.7069,
21.3098

■ 55.6428, 58.7067,
112.7260

■ 3.0943, 3.2795,
13.1572

■ 74.6786, 78.7700,
144.0696

■ 1.2038, 1.2793,
7.4049

■ 97.6250, 102.9513,
180.7434

■ 0.1094, 0.1251,
3.6343

■ 124.8476,
131.6350, 223.1657

■ 0.0000, 0.0000,
1.4270

156.7116,

■ 0.0000, 0.0000,

165.2056, 271.7552

0.1626

193.5824,
204.0473, 326.9304

■ 0.0000, 0.0000,
0.0000

■ 18.3466, 19.3811,
46.4900

■ 18.3466, 19.3811,
46.4900

■ 16.0679, 16.5401,
46.0621

■ 21.1341, 22.6487,
46.9742

■ 14.2570, 14.0990,
45.6864

■ 24.4629, 26.3630,
47.5157

■ 12.8688, 12.0305,
45.3603

■ 28.3648, 30.5449,
48.1172

■ 11.8308, 10.3167,
45.0842

■ 32.8688, 35.2131,
48.7809

■ 38.0013, 40.3854,
49.5087

■ 43.7874, 46.0782,
50.3026

■ 50.2506, 52.3075,
51.1643

■ 57.4134, 59.0882,
52.0956

■ 65.2969, 66.4347,
53.0981

Harmonies

Analogous

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



15.2317, 19.3811, 42.1279



18.3466, 19.3811, 46.4900



21.8821, 19.3811, 42.4678

Triad

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



18.3466, 19.3811, 46.4900



24.8551, 19.3811, 13.0666



13.2659, 19.3811, 12.7994

Complementary

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



18.3466, 19.3811, 46.4900



27.9460, 25.7316, 9.6257

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.



15.3459, 19.3811, 8.4641



18.3466, 19.3811, 46.4900



22.0274, 19.3811, 8.5809

Square

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



18.3466, 19.3811, 46.4900



25.9134, 19.3811, 21.3173



18.4959, 19.3811, 7.2014



12.5332, 19.3811, 20.8896

Rectangle

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



18.3466, 19.3811, 46.4900



23.9494, 19.3811, 36.1191



18.4959, 19.3811, 7.2014



13.8167, 19.3811, 10.9598

Sweetspot

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



18.3473, 19.3818, 46.4905



60.5403, 64.7704, 87.6057



22.9954, 35.9454, 25.6356



12.5463, 13.4497, 18.8570



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.



18.3473, 19.3818, 46.4905



27.7246, 28.2447, 82.2851



13.3313, 9.3497, 44.8185



8.3716, 8.8894, 10.7809



8.2248, 7.2499, 31.1029



0.3173, 0.3451, 0.9981

Inverse Universe

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



25.0757, 15.9401, 21.1576



41.3898, 23.5865, 30.3120



36.7501, 43.3398, 12.5604



8.6628, 8.5718, 9.7226



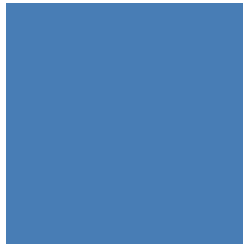
14.3861, 7.2720, 7.1933



0.4822, 0.2406, 0.3818

Previews

White Background



This preview shows how the XYZ color 18.3466, 19.3811, 46.4900 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 18.3466, 19.3811, 46.4900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

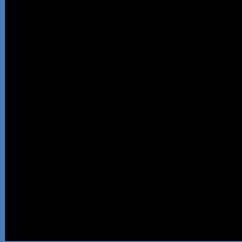
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.3466, 19.3811, 46.4900

Background



This preview shows how black text looks on a background with the XYZ color 18.3466, 19.3811, 46.4900.

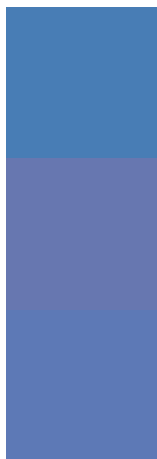


This preview shows how white text looks on a background with the XYZ color 18.3466, 19.3811,

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

18.3466, 19.3811, 46.4900

Protanopia

20.0268, 19.2118, 43.7270

Deuteranopia

19.7951, 19.3793, 46.9532



Tritanopia

14.7847, 19.2979, 28.9322

Trichromacy



Original Color

18.3466, 19.3811, 46.4900

Protanomaly

19.2869, 19.1644, 44.8021

Deuteranomaly

19.1493, 19.2278, 46.9580

Tritanomaly

15.8605, 19.1269, 34.7542

Monochromacy



Original Color

18.3466, 19.3811, 46.4900

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.5860, 17.7964, 27.3718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3466, 19.3811, 46.4900 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(72, 125, 181)` looks like.

```
.text, #text, p{  
    color:rgb(72, 125, 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(72, 125, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 125, 181) }
```

Border

The CSS property to change the border of an element to XYZ 18.3466, 19.3811, 46.4900 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(72, 125, 181) }
```


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

```
.border{ border-color:rgb(72, 125, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 125, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(72, 125, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(72, 125, 181); box-shadow:4px 4px 4px 4px rgb(72, 125, 181) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3466, 19.3811, 46.4900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 125, 181) }
```

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

```
.background{ background-color: rgb(72, 125,  
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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