

Converting Colors

XYZ(18.5895, 19.4361, 46.3211)

Have a look what the booklet for
XYZ(18.5895, 19.4361, 46.3211)
contains.

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Color

**XYZ(18.6546, 19.5399,
46.5044)**

Conversions

Conversions Part 1

Format	Color
Hex	4C7DB5
RGB	76, 125, 181
RGB Percent	30%, 49%, 71%
CMY	0.7019, 0.5098, 0.2902
CMYK	0.58, 0.31, 0.00, 0.29
HSL	212°, 42%, 50%
HSV	212°, 58%, 71%
XYZ	18.6546, 19.5399, 46.5044
YIQ	116.7330, -47.1800, 7.0280

Conversions

Conversions Part 2

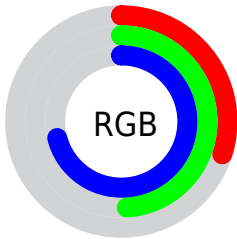
Format	Color
R_{YB}	76, 109, 181
Decimal	5012917
CIE _{Lab}	51.31, 0.43, -34.56
CIE _{LCh}	51, 34.563, 270.711
Yxy	19.5399, 0.2202, 0.2307
Android (android.graphics.Color)	4283202997 (0xFF4C7DB5)
YUV	116.7330, 31.6836, -35.7228
Hunter-Lab	44.2040, -2.0278, -31.4328

Details

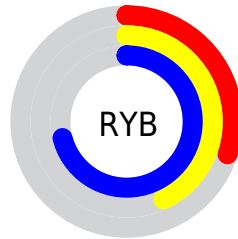
The XYZ color **18.6546, 19.5399, 46.5044** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **28.6128, 26.8495, 10.5129**, and the grayscale version is **16.7424, 17.6143, 19.1819**.

A 20% lighter version of the original color is **40.5239, 42.4642, 86.1813**, and **6.5502, 6.8663, 21.4022** is the 20% darker color. If you saturate the color by 10%, you get **16.2505, 16.5739, 46.0590**, and if you desaturate by 10%, it is **21.5834, 22.9534, 47.0093**.

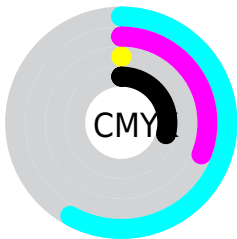
Distribution



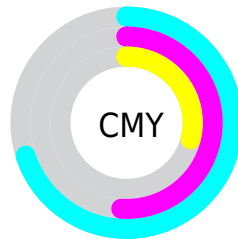
- Red (30%)
- Green (49%)
- Blue (71%)



- Red (30%)
- Yellow (43%)
- Blue (71%)



- Cyan (58%)
- Magenta (31%)
- Yellow (0%)
- Black (29%)



- Cyan (70%)
- Magenta (51%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6546, 19.5399, 46.5044 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 18.6546, 19.5399, 46.5044 by changing the saturation by 10% instead.

■ 18.6546, 19.5399,
46.5044

■ 18.6546, 19.5399,
46.5044

237.5102,
249.4133, 389.1691

■ 11.5235, 12.0610,
32.2925

■ 40.6710, 42.6444,
86.3156

■ 6.4900, 6.7853,
21.3183

■ 56.2871, 59.0389,
112.7520

■ 3.1887, 3.3282,
13.1634

■ 75.4621, 79.1740,
144.1002

■ 1.2543, 1.3054,
7.4091

■ 98.5616, 103.4342,
180.7790

■ 0.1486, 0.1454,
3.6369

■ 125.9507,
132.2038, 223.2067

■ 0.0000, 0.0000,
1.4284

157.9950,

■ 0.0000, 0.0000,

165.8673, 271.8019

0.1637

195.0597,
204.8090, 326.9832

■ 0.0000, 0.0000,
0.0000

■ 18.6546, 19.5399,
46.5044

■ 18.6546, 19.5399,
46.5044

■ 16.2505, 16.5739,
46.0590

■ 21.5834, 22.9534,
47.0093

■ 14.3307, 14.0286,
45.6689

■ 25.0690, 26.8347,
47.5748

■ 12.8516, 11.8766,
45.3315

■ 29.1429, 31.2051,
48.2036

■ 11.7445, 10.0770,
45.0425

■ 33.8337, 36.0838,
48.8981

■ 11.5470, 9.7491,
44.9896

■ 39.1681, 41.4888,
49.6602

■ 45.1709, 47.4370,
50.4919

■ 51.8658, 53.9448,
51.3952

■ 59.2751, 61.0275,
52.3718

■ 67.4201, 68.6999,
53.4234

Harmonies

Analogous

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



15.5107, 19.5399, 42.5330



18.6546, 19.5399, 46.5044



22.1722, 19.5399, 42.1596

Triad

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



18.6546, 19.5399, 46.5044



24.8828, 19.5399, 12.9695



13.3640, 19.5399, 13.2655

Complementary

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



18.6546, 19.5399, 46.5044



28.6128, 26.8495, 10.5129

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.



15.3844, 19.5399, 8.7604



18.6546, 19.5399, 46.5044



22.0120, 19.5399, 8.6305

Square

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



18.6546, 19.5399, 46.5044



26.0307, 19.5399, 21.0405



18.4898, 19.5399, 7.3669



12.6946, 19.5399, 21.5125

Rectangle

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



18.6546, 19.5399, 46.5044



24.1972, 19.5399, 35.7249



18.4898, 19.5399, 7.3669



13.8942, 19.5399, 11.3662

Sweetspot

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



18.6553, 19.5406, 46.5049



61.2476, 65.2938, 87.6695



23.6700, 36.2508, 27.5804



12.8582, 13.7226, 18.8933



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.



18.6553, 19.5406, 46.5049



27.9267, 28.1629, 82.2587



14.1920, 10.1899, 44.9353



8.3579, 8.8621, 10.7764



8.0284, 6.8571, 31.0374



0.3112, 0.3329, 0.9961

Inverse Universe

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



25.3428, 16.4742, 21.2467



41.6105, 24.1292, 30.0735



36.0745, 42.9759, 13.2324



8.6559, 8.5691, 9.6862



14.2870, 7.2324, 6.6713



0.4791, 0.2394, 0.3656

Previews

White Background



This preview shows how the XYZ color 18.6546, 19.5399, 46.5044 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 18.6546, 19.5399, 46.5044 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 18.6546, 19.5399, 46.5044

Background



This preview shows how black text looks on a background with the XYZ color 18.6546, 19.5399, 46.5044.



This preview shows how white text looks on a background with the XYZ color 18.6546, 19.5399,

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

18.6546, 19.5399, 46.5044

Protanopia

20.2458, 19.4908, 44.2900

Deuteranopia

20.0002, 19.4850, 46.9628



Tritanopia

15.0727, 19.4464, 28.9457

Trichromacy



Original Color

18.6546, 19.5399, 46.5044

Protanomaly

19.5096, 19.4606, 44.8475

Deuteranomaly

19.4275, 19.3712, 46.9710

Tritanomaly

16.1828, 19.2931, 34.7693

Monochromacy



Original Color

18.6546, 19.5399, 46.5044

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.9296, 18.1512, 27.4222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6546, 19.5399, 46.5044 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(76, 125, 181)` looks like.

```
.text, #text, p{  
    color:rgb(76, 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(76, 125, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 125, 181) }
```

Border

The CSS property to change the border of an element to XYZ 18.6546, 19.5399, 46.5044 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(76, 125, 181) }
```


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

```
.border{ border-color:rgb(76, 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(76, 125, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 125, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 125, 181);  
box-shadow:4px 4px 4px 4px rgb(76, 125,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6546, 19.5399, 46.5044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 125, 181) }
```

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

```
.background{ background-color: rgb(76, 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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