

Converting Colors

XYZ(18.7539, 19.9708, 46.5824)

Have a look what the booklet for XYZ(18.7539, 19.9708, 46.5824) contains.

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Color

**XYZ(18.7539, 19.9708,
46.5824)**

Conversions

Conversions Part 1

Format	Color
Hex	4A7FB5
RGB	74, 127, 181
RGB Percent	29%, 50%, 71%
CMY	0.7098, 0.5020, 0.2902
CMYK	0.59, 0.30, 0.00, 0.29
HSL	210°, 42%, 50%
HSV	210°, 59%, 71%
XYZ	18.7539, 19.9708, 46.5824
YIQ	117.3090, -48.9220, 5.5580

Conversions

Conversions Part 2

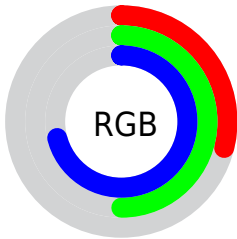
Format	Color
R_{YB}	74, 109, 181
Decimal	4882357
CIE _{Lab}	51.80, -1.17, -33.80
CIE _{LCh}	52, 33.818, 268.011
Yxy	19.9708, 0.2198, 0.2341
Android (android.graphics.Color)	4283072437 (0xFF4A7FB5)
YUV	117.3090, 31.3997, -37.9820
Hunter-Lab	44.6887, -3.2966, -30.5203

Details

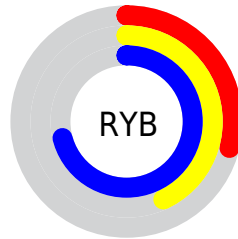
The XYZ color **18.7539, 19.9708, 46.5824** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **28.0122, 25.7578, 9.9748**, and the grayscale version is **16.9215, 17.8028, 19.3872**.

A 20% lighter version of the original color is **40.9674, 43.5822, 86.3738**, and **6.6207, 7.0073, 21.4257** is the 20% darker color. If you saturate the color by 10%, you get **16.4289, 17.0998, 46.1512**, and if you desaturate by 10%, it is **21.5881, 23.2638, 47.0690**.

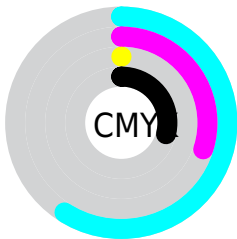
Distribution



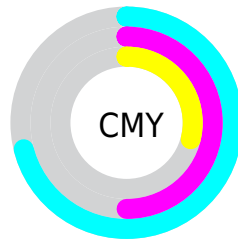
- Red (29%)
- Green (50%)
- Blue (71%)



- Red (29%)
- Yellow (43%)
- Blue (71%)



- Cyan (59%)
- Magenta (30%)
- Yellow (0%)
- Black (29%)



- Cyan (71%)
- Magenta (50%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7539, 19.9708, 46.5824 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 18.7539, 19.9708, 46.5824 by changing the saturation by 10% instead.

■ 18.7539, 19.9708,
46.5824

■ 18.7539, 19.9708,
46.5824

238.0510,
251.7570, 389.4906

■ 11.5955, 12.3738,
32.3537

■ 40.8379, 43.3682,
86.4334

■ 6.5391, 6.9988,
21.3647

■ 56.4943, 59.9375,
112.8927

■ 3.2193, 3.4614,
13.1970

■ 75.7141, 80.2662,
144.2660

■ 1.2708, 1.3771,
7.4320

■ 98.8626, 104.7389,
180.9718

■ 0.1612, 0.1997,
3.6512

■ 126.3052,
133.7400, 223.4286

■ 0.0000, 0.0000,
1.4360

158.4072,

■ 0.0000, 0.0000,

167.6537, 272.0549

0.1696

195.5340,
206.8646, 327.2694

■ 0.0000, 0.0000,
0.0000

■ 18.7539, 19.9708,
46.5824

■ 18.7539, 19.9708,
46.5824

■ 16.4289, 17.0998,
46.1512

■ 21.5881, 23.2638,
47.0690

■ 14.5728, 14.6248,
45.7713

■ 24.9635, 26.9983,
47.6120

■ 13.1417, 12.5192,
45.4403

■ 28.9115, 31.1947,
48.2139

■ 12.0560, 10.7372,
45.1536

■ 33.4603, 35.8714,
48.8768

■ 11.9675, 10.5901,
45.1298

■ 38.6365, 41.0456,
49.6027

■ 44.4646, 46.7336,
50.3934

■ 50.9679, 52.9509,
51.2507

■ 58.1685, 59.7120,
52.1762

■ 66.0875, 67.0312,
53.1716

Harmonies

Analogous

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



15.7006, 19.9708, 41.9985



18.7539, 19.9708, 46.5824



22.2475, 19.9708, 43.0224

Triad

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



18.7539, 19.9708, 46.5824



25.4135, 19.9708, 14.0317



13.9235, 19.9708, 13.2016

Complementary

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



18.7539, 19.9708, 46.5824



28.0122, 25.7578, 9.9748

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.



16.0522, 19.9708, 8.9771



18.7539, 19.9708, 46.5824



22.6906, 19.9708, 9.3451

Square

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



18.7539, 19.9708, 46.5824



26.3578, 19.9708, 22.4063



19.2112, 19.9708, 7.8121



13.1286, 19.9708, 21.0965

Rectangle

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



18.7539, 19.9708, 46.5824



24.3126, 19.9708, 36.9700



19.2112, 19.9708, 7.8121



14.4932, 19.9708, 11.4059

Sweetspot

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



18.7546, 19.9715, 46.5829



60.6370, 64.9638, 87.6380



23.2121, 36.0496, 25.9858



12.5700, 13.4971, 18.8649



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.



18.7546, 19.9715, 46.5829



28.3161, 29.1896, 82.4364



13.6141, 9.6905, 44.8694



8.3780, 8.9022, 10.7831



8.3193, 7.4390, 31.1344



0.3202, 0.3509, 0.9991

Inverse Universe

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



25.3363, 16.2545, 21.8814



41.7466, 23.9519, 31.5042



36.8165, 43.3664, 12.9096



8.6660, 8.5731, 9.7395



14.4339, 7.2911, 7.4446



0.4836, 0.2412, 0.3895

Previews

White Background



This preview shows how the XYZ color 18.7539, 19.9708, 46.5824 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 18.7539, 19.9708, 46.5824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

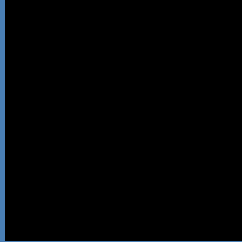
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.7539, 19.9708, 46.5824

Background



This preview shows how black text looks on a background with the XYZ color 18.7539, 19.9708, 46.5824.



This preview shows how white text looks on a background with the XYZ color 18.7539, 19.9708,

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

18.7539, 19.9708, 46.5824

Protanopia

20.4995, 19.8126, 43.8181

Deuteranopia

20.3328, 19.8379, 47.0134



Tritanopia

15.3809, 19.9941, 29.8366

Trichromacy



Original Color

18.7539, 19.9708, 46.5824

Protanomaly

19.7349, 19.7600, 44.8934

Deuteranomaly

19.7710, 19.9165, 47.0582

Tritanomaly

16.4022, 19.7912, 35.3033

Monochromacy



Original Color

18.7539, 19.9708, 46.5824

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.9378, 18.3349, 27.4572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7539, 19.9708, 46.5824 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(74, 127, 181)` looks like.

```
.text, #text, p{  
    color:rgb(74, 127, 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(74, 127, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 127, 181) }
```

Border

The CSS property to change the border of an element to XYZ 18.7539, 19.9708, 46.5824 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(74, 127, 181) }
```


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

```
.border{ border-color:rgb(74, 127, 181) }
```

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

Here you see how a box with a 4 pixel rgb(74, 127, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 127, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 127, 181);  
box-shadow:4px 4px 4px 4px rgb(74, 127,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7539, 19.9708, 46.5824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 127, 181) }
```

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

```
.background{ background-color: rgb(74, 127,  
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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