

Converting Colors

XYZ(18.6725, 18.2070, 49.5439)

Have a look what the booklet for
XYZ(18.6725, 18.2070, 49.5439)
contains.

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Color

**XYZ(18.6725, 18.2070,
49.5439)**

Conversions

Conversions Part 1

Format	Color
Hex	4F76BB
RGB	79, 118, 187
RGB Percent	31%, 46%, 73%
CMY	0.6902, 0.5372, 0.2667
CMYK	0.58, 0.37, 0.00, 0.27
HSL	218°, 44%, 52%
HSV	218°, 58%, 73%
XYZ	18.6725, 18.2070, 49.5439
YIQ	114.2050, -45.3930, 13.1910

Conversions

Conversions Part 2

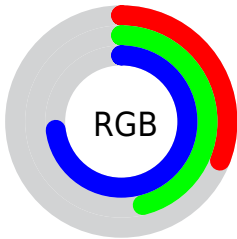
Format	Color
R _Y B	79, 108, 187
Decimal	5207739
CIE Lab	49.75, 7.28, -40.47
CIE LCh	50, 41.123, 280.190
Yxy	18.2070, 0.2161, 0.2107
Android (android.graphics.Color)	4283397819 (0xFF4F76BB)
YUV	114.2050, 35.8879, -30.8748
Hunter-Lab	42.6697, 3.4408, -38.9731

Details

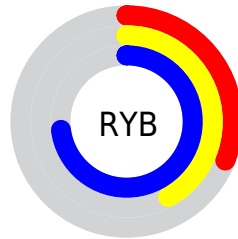
The XYZ color **18.6725, 18.2070, 49.5439** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **32.4957, 32.3105, 11.9219**, and the grayscale version is **15.9618, 16.7931, 18.2876**.

A 20% lighter version of the original color is **40.8572, 40.5153, 91.2548**, and **6.4613, 6.0931, 23.0258** is the 20% darker color. If you saturate the color by 10%, you get **16.0113, 14.8773, 49.0418**, and if you desaturate by 10%, it is **21.9508, 22.1199, 50.1268**.

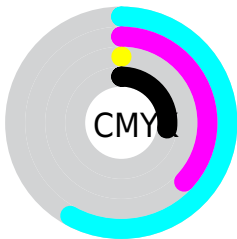
Distribution



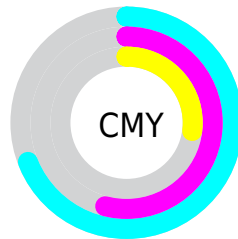
- Red (31%)
- Green (46%)
- Blue (73%)



- Red (31%)
- Yellow (42%)
- Blue (73%)



- Cyan (58%)
- Magenta (37%)
- Yellow (0%)
- Black (27%)



- Cyan (69%)
- Magenta (54%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6725, 18.2070, 49.5439 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 18.6725, 18.2070, 49.5439 by changing the saturation by 10% instead.

■ 18.6725, 18.2070,
49.5439

■ 18.6725, 18.2070,
49.5439

237.6077,
242.0352, 401.5635

■ 11.5365, 11.0987,
34.6825

■ 40.7011, 40.3897,
90.8881

■ 6.4988, 6.1333,
23.1368

■ 56.3244, 56.2330,
118.2079

■ 3.1942, 2.9263,
14.4883

■ 75.5076, 75.7566,
150.5176

■ 1.2573, 1.0934,
8.3185

■ 98.6159, 99.3451,
188.2358

■ 0.1509, 0.0000,
4.2087

126.0147,
127.3828, 231.7809

■ 0.0000, 0.0000,
1.7405

158.0693,

■ 0.0000, 0.0000,

160.2541, 281.5715

0.3883

195.1452,
198.3435, 338.0262

■ 0.0000, 0.0000,
0.0000

■ 18.6725, 18.2070,
49.5439

■ 18.6725, 18.2070,
49.5439

■ 16.0113, 14.8773,
49.0418

■ 21.9508, 22.1199,
50.1268

■ 13.9207, 12.0962,
48.6152

■ 25.8838, 26.6440,
50.7927

■ 12.3502, 9.8275,
48.2601

■ 30.5082, 31.8074,
51.5456

■ 11.2258, 8.0218,
47.9708

■ 35.8575, 37.6356,
52.3886

■ 11.0082, 7.6649,
47.9134

■ 41.9627, 44.1530,
53.3248

■ 48.8530, 51.3824,
54.3571

■ 56.5560, 59.3454,
55.4881

■ 65.0980, 68.0629,
56.7205

■ 74.5040, 77.5549,
58.0569

Harmonies

Analogous

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



14.8756, 18.2070, 47.8392



18.6725, 18.2070, 49.5439



22.6362, 18.2070, 41.2954

Triad

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



18.6725, 18.2070, 49.5439



23.7216, 18.2070, 8.9063



11.1411, 18.2070, 13.3745

Complementary

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



18.6725, 18.2070, 49.5439



32.4957, 32.3105, 11.9219

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.



12.8847, 18.2070, 7.4883



18.6725, 18.2070, 49.5439



19.9859, 18.2070, 5.6656

Square

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



18.6725, 18.2070, 49.5439



25.8293, 18.2070, 16.2471



16.0063, 18.2070, 5.2689



10.8991, 18.2070, 23.8915

Rectangle

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



18.6725, 18.2070, 49.5439



24.6995, 18.2070, 32.6006



16.0063, 18.2070, 5.2689



11.5570, 18.2070, 10.9167

Sweetspot

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



18.6732, 18.2076, 49.5444



64.7102, 67.9328, 93.9032



26.2934, 39.3227, 33.9738



13.7987, 14.4726, 20.6088



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



18.6732, 18.2076, 49.5444



27.7016, 25.3810, 87.6404



16.3213, 11.5289, 48.3792



9.2909, 9.7742, 12.0691



7.6477, 5.4072, 33.0335



0.3623, 0.3373, 1.3149

Inverse Universe

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



26.5601, 17.4656, 19.1114



43.6318, 25.7290, 25.7567



36.3275, 44.9444, 14.1585



9.6687, 9.5918, 10.6444



14.8610, 7.5755, 4.5615



0.6138, 0.3094, 0.3455

Previews

White Background



This preview shows how the XYZ color 18.6725, 18.2070, 49.5439 looks on a white background.

Color Contrast Check

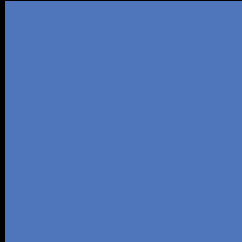
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6725, 18.2070, 49.5439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

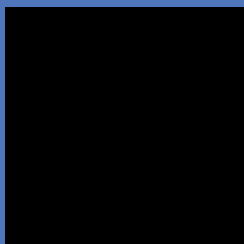
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

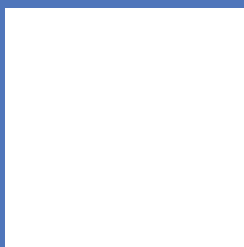
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.6725, 18.2070, 49.5439

Background



This preview shows how black text looks on a background with the XYZ color 18.6725, 18.2070, 49.5439.



This preview shows how white text looks on a background with the XYZ color 18.6725, 18.2070,

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

18.6725, 18.2070, 49.5439

Protanopia

19.4160, 18.2689, 48.4019

Deuteranopia

18.6725, 18.2070, 49.5439



Tritanopia

14.1102, 18.2031, 26.8146

Trichromacy



Original Color

18.6725, 18.2070, 49.5439

Protanomaly

19.1547, 18.2940, 48.9759

Deuteranomaly

18.6725, 18.2070, 49.5439

Tritanomaly

15.4552, 17.9739, 34.1072

Monochromacy



Original Color

18.6725, 18.2070, 49.5439

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.3053, 16.9513, 27.6118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6725, 18.2070, 49.5439 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(79, 118, 187)` looks like.

```
.text, #text, p{  
    color:rgb(79, 118, 187)  
}
```

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(79, 118, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 118, 187) }
```

Border

The CSS property to change the border of an element to XYZ 18.6725, 18.2070, 49.5439 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(79, 118, 187) }
```


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

```
.border{ border-color:rgb(79, 118, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 118, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 118, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 118, 187);  
box-shadow:4px 4px 4px 4px rgb(79, 118,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6725, 18.2070, 49.5439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 118, 187) }
```

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

```
.background{ background-color: rgb(79, 118,  
187) }
```

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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