

Converting Colors

XYZ(19.0853, 19.4033, 49.2164)

Have a look what the booklet for
XYZ(19.0853, 19.4033, 49.2164)
contains.

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Color

**XYZ(19.0065, 19.2889,
49.1758)**

Conversions

Conversions Part 1

Format	Color
Hex	4D7BBA
RGB	77, 123, 186
RGB Percent	30%, 48%, 73%
CMY	0.6980, 0.5176, 0.2706
CMYK	0.59, 0.34, 0.00, 0.27
HSL	215°, 44%, 52%
HSV	215°, 59%, 73%
XYZ	19.0065, 19.2889, 49.1758
YIQ	116.4280, -47.6390, 9.8410

Conversions

Conversions Part 2

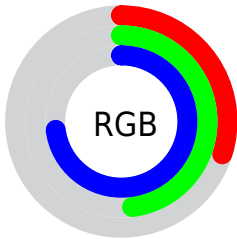
Format	Color
R_{YB}	77, 109, 186
Decimal	5077946
CIE _{Lab}	51.02, 3.49, -37.89
CIE _{LCh}	51, 38.051, 275.266
Yxy	19.2889, 0.2173, 0.2205
Android (android.graphics.Color)	4283268026 (0xFF4D7BBA)
YUV	116.4280, 34.2990, -34.5784
Hunter-Lab	43.9191, 0.3894, -35.6430

Details

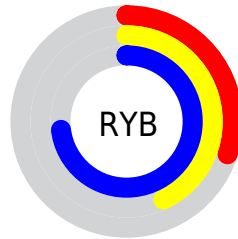
The XYZ color **19.0065, 19.2889, 49.1758** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **30.9685, 29.7327, 11.1290**, and the grayscale version is **16.6410, 17.5076, 19.0658**.

A 20% lighter version of the original color is **41.1885, 42.1391, 89.9672**, and **6.6809, 6.6981, 22.7705** is the 20% darker color. If you saturate the color by 10%, you get **16.4535, 16.1007, 48.6954**, and if you desaturate by 10%, it is **22.1365, 22.9925, 49.7261**.

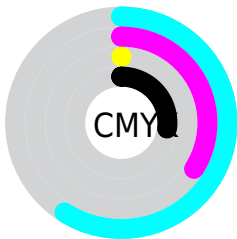
Distribution



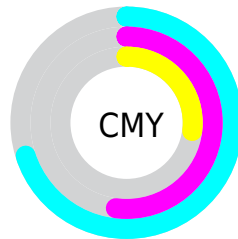
- Red (30%)
- Green (48%)
- Blue (73%)



- Red (30%)
- Yellow (43%)
- Blue (73%)



- Cyan (59%)
- Magenta (34%)
- Yellow (0%)
- Black (27%)



- Cyan (70%)
- Magenta (52%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.0065, 19.2889, 49.1758 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 19.0065, 19.2889, 49.1758 by changing the saturation by 10% instead.

■ 19.0065, 19.2889,
49.1758

■ 19.0065, 19.2889,
49.1758

239.4221,
248.0390, 400.0763

■ 11.7790, 11.8792,
34.3924

■ 41.2619, 42.2217,
90.3362

■ 6.6645, 6.6615,
22.9154

■ 57.0205, 58.5136,
117.5502

■ 3.2976, 3.2513,
14.3263

■ 76.3535, 78.5351,
149.7449

■ 1.3130, 1.2643,
8.2066

■ 99.6262, 102.6704,
187.3387

■ 0.1930, 0.1133,
4.1378

■ 127.2041,
131.3041, 230.7502

■ 0.0000, 0.0000,
1.7012

159.4525,

■ 0.0000, 0.0000,

164.8205, 280.3980

0.3616

196.7367,
203.6040, 336.7005

■ 0.0000, 0.0000,
0.0000

■ 19.0065, 19.2889,
49.1758

■ 19.0065, 19.2889,
49.1758

■ 16.4535, 16.1007,
48.6954

■ 22.1365, 22.9925,
49.7261

■ 14.4329, 13.3972,
48.2800

■ 25.8790, 27.2358,
50.3479

■ 12.8963, 11.1462,
47.9265

■ 30.2690, 32.0434,
51.0445

■ 11.7642, 9.2991,
47.6297

■ 35.3382, 37.4377,
51.8185

■ 11.6225, 9.0642,
47.5918

■ 41.1159, 43.4399,
52.6725

■ 47.6298, 50.0698,
53.6089

■ 54.9059, 57.3464,
54.6299

■ 62.9690, 65.2878,
55.7378

■ 71.8426, 73.9113,
56.9346

Harmonies

Analogous

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



15.4665, 19.2889, 46.0432



19.0065, 19.2889, 49.1758



22.8423, 19.2889, 42.9038

Triad

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



19.0065, 19.2889, 49.1758



24.9071, 19.2889, 11.1566



12.5096, 19.2889, 13.4628

Complementary

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



19.0065, 19.2889, 49.1758



30.9685, 29.7327, 11.1290

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.



14.4609, 19.2889, 8.2090



19.0065, 19.2889, 49.1758



21.5346, 19.2889, 7.2325

Square

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



19.0065, 19.2889, 49.1758



26.5346, 19.2889, 19.1551



17.6766, 19.2889, 6.3767



12.0247, 19.2889, 22.9647

Rectangle

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



19.0065, 19.2889, 49.1758



24.9545, 19.2889, 35.1795



17.6766, 19.2889, 6.3767



13.0013, 19.2889, 11.2606

Sweetspot

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



19.0072, 19.2896, 49.1763



64.3485, 68.1690, 93.9678



25.2635, 38.5535, 30.4480



13.5468, 14.3545, 20.5993



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.



19.0072, 19.2896, 49.1763



28.7967, 27.8476, 88.0588



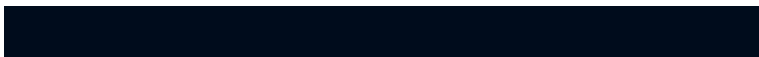
15.1979, 10.7512, 47.7290



8.8242, 9.3257, 11.4144



7.8901, 6.2398, 32.0416



0.3397, 0.3431, 1.1501

Inverse Universe

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



26.4794, 17.1779, 20.6595



44.1171, 25.6648, 29.1086



37.4279, 45.2061, 13.7753



9.1576, 9.0734, 10.1775



14.5962, 7.4122, 5.7605



0.5456, 0.2737, 0.3667

Previews

White Background



This preview shows how the XYZ color 19.0065, 19.2889, 49.1758 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 19.0065, 19.2889, 49.1758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

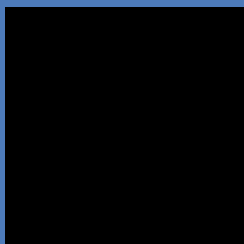
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

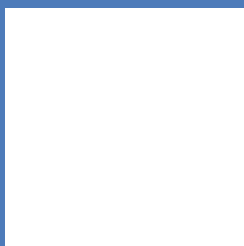
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.0065, 19.2889, 49.1758

Background



This preview shows how black text looks on a background with the XYZ color 19.0065, 19.2889, 49.1758.

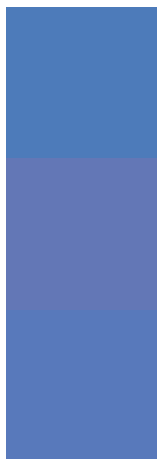


This preview shows how white text looks on a background with the XYZ color 19.0065, 19.2889,

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

19.0065, 19.2889, 49.1758

Protanopia

20.1859, 19.2237, 46.9026

Deuteranopia

19.8315, 19.3373, 49.7009



Tritanopia

14.9374, 19.3853, 28.5456

Trichromacy



Original Color

19.0065, 19.2889, 49.1758

Protanomaly

19.5781, 19.0760, 47.4499

Deuteranomaly

19.5853, 19.3917, 49.7244

Tritanomaly

16.2686, 19.3274, 35.2209

Monochromacy



Original Color

19.0065, 19.2889, 49.1758

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.8840, 17.9415, 27.7725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.0065, 19.2889, 49.1758 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, 123, 186)` looks like.

```
.text, #text, p{  
    color:rgb(77, 123, 186)  
}
```

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, 123, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 123, 186) }
```

Border

The CSS property to change the border of an element to XYZ 19.0065, 19.2889, 49.1758 is called "border". The border property can be set on classes, ids or directly on the HTML element.

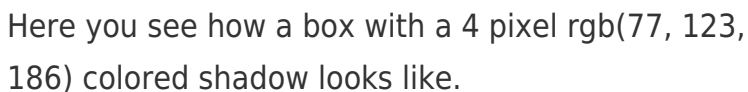
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(77, 123, 186) }
```


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

```
.border{ border-color:rgb(77, 123, 186) }
```

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



Here you see how a box with a 4 pixel `rgb(77, 123, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(77, 123, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(77, 123, 186); box-shadow:4px 4px 4px 4px rgb(77, 123, 186) }
```

Background

The CSS property to change the background color of an element to XYZ 19.0065, 19.2889, 49.1758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 123, 186) }
```

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

```
.background{ background-color: rgb(77, 123,  
186) }
```

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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