

Converting Colors

XYZ(18.2519, 18.3558, 49.0354)

Have a look what the booklet for
XYZ(18.2519, 18.3558, 49.0354)
contains.

XYZ(18.2519, 18.3558, 49.0354)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(18.2519, 18.3558,
49.0354)**

Conversions

Conversions Part 1

Format	Color
Hex	4878BA
RGB	72, 120, 186
RGB Percent	28%, 47%, 73%
CMY	0.7176, 0.5294, 0.2706
CMYK	0.61, 0.35, 0.00, 0.27
HSL	215°, 45%, 51%
HSV	215°, 61%, 73%
XYZ	18.2519, 18.3558, 49.0354
YIQ	113.1720, -49.7940, 10.3500

Conversions

Conversions Part 2

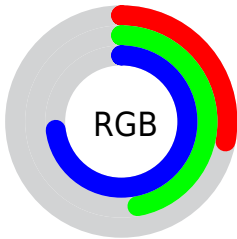
Format	Color
R_{YB}	72, 106, 186
Decimal	4749498
CIE _{Lab}	49.92, 4.31, -39.64
CIE _{LCh}	50, 39.871, 276.200
Yxy	18.3558, 0.2131, 0.2143
Android (android.graphics.Color)	4282939578 (0xFF4878BA)
YUV	113.1720, 35.9042, -36.1078
Hunter-Lab	42.8437, 1.0666, -37.8680

Details

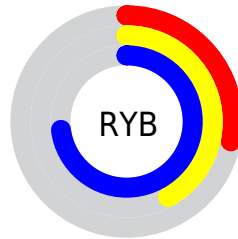
The XYZ color **18.2519, 18.3558, 49.0354** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **30.5091, 29.0858, 10.1381**, and the grayscale version is **15.6552, 16.4705, 17.9363**.

A 20% lighter version of the original color is **39.9855, 40.6617, 89.7454**, and **6.4822, 6.3007, 22.7043** is the 20% darker color. If you saturate the color by 10%, you get **15.8461, 15.3001, 48.5728**, and if you desaturate by 10%, it is **21.2242, 21.9203, 49.5671**.

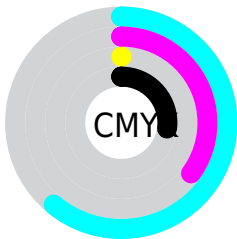
Distribution



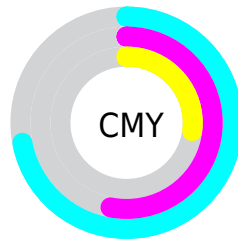
- Red (28%)
- Green (47%)
- Blue (73%)



- Red (28%)
- Yellow (42%)
- Blue (73%)



- Cyan (61%)
- Magenta (35%)
- Yellow (0%)
- Black (27%)



- Cyan (72%)
- Magenta (53%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2519, 18.3558, 49.0354 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 18.2519, 18.3558, 49.0354 by changing the saturation by 10% instead.

■ 18.2519, 18.3558,
49.0354

■ 18.2519, 18.3558,
49.0354

235.3053,
242.8689, 399.5081

■ 11.2318, 11.2057,
34.2818

■ 39.9928, 40.6427,
90.1256

■ 6.2914, 6.2054,
22.8310

■ 55.4443, 56.5483,
117.2992

■ 3.0654, 2.9704,
14.2647

■ 74.4370, 76.1412,
149.4498

■ 1.1884, 1.1163,
8.1641

■ 97.3362, 99.8058,
186.9961

■ 0.0972, 0.0000,
4.1109

■ 124.5072,
127.9264, 230.3565

■ 0.0000, 0.0000,
1.6864

156.3156,

■ 0.0000, 0.0000,

160.8876, 279.9497

0.3514

193.1264,
199.0736, 336.1940

■ 0.0000, 0.0000,
0.0000

■ 18.2519, 18.3558,
49.0354

■ 18.2519, 18.3558,
49.0354

■ 15.8461, 15.3001,
48.5728

■ 21.2242, 21.9203,
49.5671

■ 13.9608, 12.7215,
48.1744

■ 24.7997, 26.0187,
50.1698

■ 12.5449, 10.5866,
47.8370

■ 29.0143, 30.6760,
50.8466

■ 11.6096, 9.0383,
47.5874

■ 33.9004, 35.9153,
51.6003

■ 39.4878, 41.7579,
52.4336

■ 45.8046, 48.2240,
53.3487

■ 52.8774, 55.3330,
54.3481

■ 60.7312, 63.1032,
55.4340

■ 69.3899, 71.5521,
56.6084

Harmonies

Analogous

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



14.6477, 18.3558, 46.0676



18.2519, 18.3558, 49.0354



22.1534, 18.3558, 42.2164

Triad

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



18.2519, 18.3558, 49.0354



24.0693, 18.3558, 9.9601



11.5529, 18.3558, 12.6436

Complementary

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



18.2519, 18.3558, 49.0354



30.5091, 29.0858, 10.1381

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.



13.4587, 18.3558, 7.3649



18.2519, 18.3558, 49.0354



20.5812, 18.3558, 6.2580

Square

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



18.2519, 18.3558, 49.0354



25.8135, 18.3558, 17.7997



16.6654, 18.3558, 5.5210



11.1167, 18.3558, 22.3451

Rectangle

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



18.2519, 18.3558, 49.0354



24.2886, 18.3558, 34.1183



16.6654, 18.3558, 5.5210



12.0278, 18.3558, 10.4207

Sweetspot

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



18.2526, 18.3564, 49.0359



64.3376, 68.1472, 93.9642



24.7190, 38.2908, 29.6060



13.5440, 14.3490, 20.5984



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.



18.2526, 18.3564, 49.0359



27.2682, 25.7915, 87.7425



14.4559, 9.8692, 47.5978



8.8235, 9.3243, 11.4142



7.8813, 6.2223, 32.0387



0.3394, 0.3424, 1.1500

Inverse Universe

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



25.9579, 16.4309, 19.5731



43.1014, 24.3232, 26.6431



37.1812, 45.0985, 12.8773



9.1573, 9.0733, 10.1756



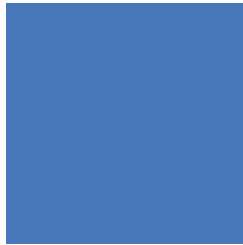
14.5918, 7.4105, 5.7372



0.5455, 0.2737, 0.3658

Previews

White Background



This preview shows how the XYZ color 18.2519, 18.3558, 49.0354 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 18.2519, 18.3558, 49.0354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

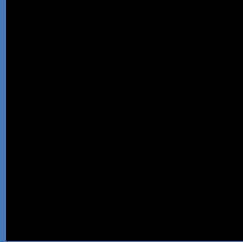
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.2519, 18.3558, 49.0354

Background



This preview shows how black text looks on a background with the XYZ color 18.2519, 18.3558, 49.0354.

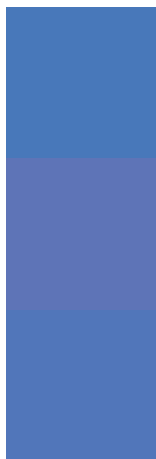


This preview shows how white text looks on a background with the XYZ color 18.2519, 18.3558,

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

18.2519, 18.3558, 49.0354

Protanopia

19.4087, 18.2894, 47.3070

Deuteranopia

18.7347, 18.2514, 48.9898



Tritanopia

13.8993, 18.2721, 27.6052

Trichromacy



Original Color

18.2519, 18.3558, 49.0354

Protanomaly

18.8508, 18.1617, 47.8594

Deuteranomaly

18.6016, 18.3585, 49.0175

Tritanomaly

15.2916, 18.2556, 34.6160

Monochromacy



Original Color

18.2519, 18.3558, 49.0354

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

16.0160, 16.9809, 27.2444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2519, 18.3558, 49.0354 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, 120, 186)` looks like.

```
.text, #text, p{  
    color:rgb(72, 120, 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(72, 120, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 120, 186) }
```

Border

The CSS property to change the border of an element to XYZ 18.2519, 18.3558, 49.0354 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, 120, 186) }
```


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

```
.border{ border-color:rgb(72, 120, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 120, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 120, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 120, 186);  
box-shadow:4px 4px 4px 4px rgb(72, 120,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2519, 18.3558, 49.0354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 120, 186) }
```

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

```
.background{ background-color: rgb(72, 120,  
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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