

Converting Colors

XYZ(19.2507, 22.4735, 48.3399)

Have a look what the booklet for
XYZ(19.2507, 22.4735, 48.3399)
contains.

XYZ(19.1570, 22.3801, 48.1099)	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(19.1570, 22.3801,
48.1099)**

Conversions

Conversions Part 1

Format	Color
Hex	368AB7
RGB	54, 138, 183
RGB Percent	21%, 54%, 72%
CMY	0.7882, 0.4588, 0.2823
CMYK	0.70, 0.25, 0.00, 0.28
HSL	201°, 54%, 46%
HSV	201°, 70%, 72%
XYZ	19.1570, 22.3801, 48.1099
YIQ	118.0140, -64.5090, -3.8130

Conversions

Conversions Part 2

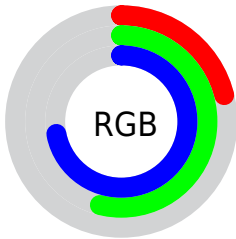
Format	Color
R_{YB}	54, 105, 183
Decimal	3574455
CIE _{Lab}	54.43, -10.41, -30.90
CIE _{LCh}	54, 32.610, 251.380
Yxy	22.3801, 0.2137, 0.2496
Android (android.graphics.Color)	4281764535 (0xFF368AB7)
YUV	118.0140, 32.0381, -56.1403
Hunter-Lab	47.3076, -10.5056, -27.1802

Details

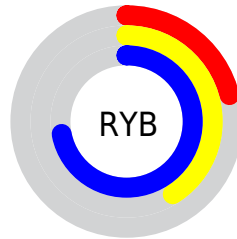
The XYZ color **19.1570, 22.3801, 48.1099** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **24.6571, 19.2587, 5.9086**, and the grayscale version is **17.1426, 18.0353, 19.6404**.

A 20% lighter version of the original color is **41.4132, 47.2066, 88.5904**, and **7.5190, 8.5912, 22.3811** is the 20% darker color. If you saturate the color by 10%, you get **17.4642, 20.1878, 47.7764**, and if you desaturate by 10%, it is **21.2746, 24.8721, 48.4797**.

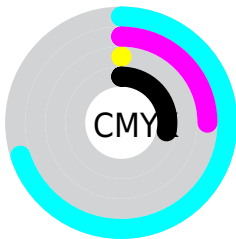
Distribution



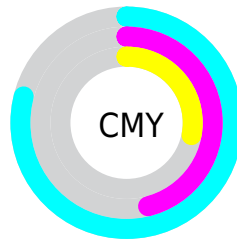
- Red (21%)
- Green (54%)
- Blue (72%)



- Red (21%)
- Yellow (41%)
- Blue (72%)



- Cyan (70%)
- Magenta (25%)
- Yellow (0%)
- Black (28%)



- Cyan (79%)
- Magenta (46%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1570, 22.3801, 48.1099 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 19.1570, 22.3801, 48.1099 by changing the saturation by 10% instead.

■ 19.1570, 22.3801,
48.1099

■ 19.1570, 22.3801,
48.1099

240.2356,
264.5249, 395.7488

■ 11.8885, 14.1365,
33.5533

■ 41.5140, 47.3734,
88.7353

■ 6.7394, 8.2156,
22.2761

■ 57.3333, 64.8919,
115.6411

■ 3.3446, 4.2332,
13.8596

■ 76.7334, 86.2708,
147.5005

■ 1.3385, 1.8049,
7.8855

■ 100.0799,
111.8944, 184.7319

■ 0.2117, 0.4902,
3.9350

■ 127.7379,
142.1473, 227.7539

■ 0.0000, 0.0000,
1.5898

160.0730,

■ 0.0000, 0.0000,

177.4137, 276.9850

0.2835

197.4505,
218.0781, 332.8438

■ 0.0000, 0.0000,
0.0000

■ 19.1570, 22.3801,
48.1099

■ 19.1570, 22.3801,
48.1099

■ 17.4642, 20.1878,
47.7764

■ 21.2746, 24.8721,
48.4797

■ 16.1491, 18.2684,
47.4752

■ 23.8527, 27.6823,
48.8863

■ 15.1634, 16.6511,
47.2150

■ 26.9256, 30.8302,
49.3319

■ 30.5235, 34.3326,
49.8183

■ 34.6741, 38.2049,
50.3470

■ 39.4028, 42.4616,
50.9194

■ 44.7337, 47.1161,
51.5368

■ 50.6892, 52.1813,
52.2006

■ 57.2907, 57.6692,
52.9120

Harmonies

Analogous

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



16.5313, 22.3801, 39.7866



19.1570, 22.3801, 48.1099



22.6531, 22.3801, 49.1269

Triad

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



19.1570, 22.3801, 48.1099



28.7246, 22.3801, 20.6960



17.0542, 22.3801, 12.4059

Complementary

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



19.1570, 22.3801, 48.1099



24.6571, 19.2587, 5.9086

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.



19.9475, 22.3801, 9.7439



19.1570, 22.3801, 48.1099



26.8411, 22.3801, 13.5576

Square

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



19.1570, 22.3801, 48.1099



28.4517, 22.3801, 31.1897



23.5364, 22.3801, 10.0964



15.4141, 22.3801, 18.6216

Rectangle

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



19.1570, 22.3801, 48.1099



25.0445, 22.3801, 45.2660



23.5364, 22.3801, 10.0964



17.8980, 22.3801, 11.1562

Sweetspot

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



19.1578, 22.3809, 48.1105



61.4216, 67.8014, 90.0854



20.6133, 35.5150, 17.0792



13.0977, 14.5428, 19.8383



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



19.1578, 22.3809, 48.1105



29.8083, 34.0659, 85.2400



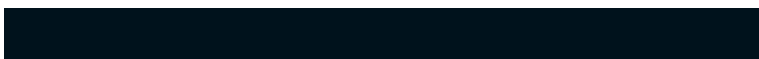
12.6196, 9.3045, 45.9311



8.9959, 9.6689, 11.4716



10.6443, 11.7482, 32.9597



0.4308, 0.5253, 1.1804

Inverse Universe

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



25.4357, 14.5414, 25.5116



42.5525, 22.0501, 38.4903



33.0274, 35.9993, 8.6988



9.2443, 9.1081, 10.6336



15.9864, 7.9683, 13.0812



0.5916, 0.2921, 0.6089

Previews

White Background



This preview shows how the XYZ color 19.1570, 22.3801, 48.1099 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 19.1570, 22.3801, 48.1099 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

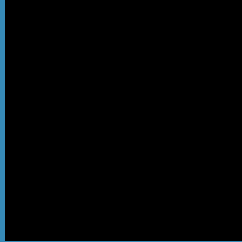
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.1570, 22.3801, 48.1099

Background



This preview shows how black text looks on a background with the XYZ color 19.1570, 22.3801, 48.1099.

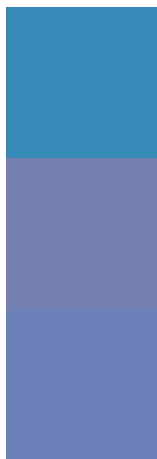


This preview shows how white text looks on a background with the XYZ color 19.1570, 22.3801,

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

19.1570, 22.3801, 48.1099

Protanopia

22.6595, 22.2465, 43.6572

Deuteranopia

22.6605, 22.1293, 48.9760



Tritanopia

16.3661, 22.3348, 34.4588

Trichromacy



Original Color

19.1570, 22.3801, 48.1099

Protanomaly

20.8013, 22.0440, 45.2781

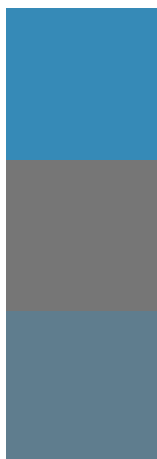
Deuteranomaly

20.9275, 22.0379, 48.4981

Tritanomaly

17.2309, 22.2378, 38.9815

Monochromacy



Original Color

19.1570, 22.3801, 48.1099

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

16.9354, 19.0531, 28.3762

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1570, 22.3801, 48.1099 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(54, 138, 183)` looks like.

```
.text, #text, p{  
    color:rgb(54, 138, 183)  
}
```

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(54, 138, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 138, 183) }
```

Border

The CSS property to change the border of an element to XYZ 19.1570, 22.3801, 48.1099 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(54, 138, 183) }
```


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

```
.border{ border-color:rgb(54, 138, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 138, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 138, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 138, 183);  
box-shadow:4px 4px 4px 4px rgb(54, 138,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1570, 22.3801, 48.1099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 138, 183) }
```

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

```
.background{ background-color: rgb(54, 138,  
183) }
```

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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