

Converting Colors

XYZ(19.5027, 22.4195, 45.4196)

Have a look what the booklet for
XYZ(19.5027, 22.4195, 45.4196)
contains.

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Color

**XYZ(19.5073, 22.4078,
45.4165)**

Conversions

Conversions Part 1

Format	Color
Hex	4689B2
RGB	70, 137, 178
RGB Percent	27%, 54%, 70%
CMY	0.7255, 0.4627, 0.3020
CMYK	0.61, 0.23, 0.00, 0.30
HSL	203°, 44%, 49%
HSV	203°, 61%, 70%
XYZ	19.5073, 22.4078, 45.4165
YIQ	121.6410, -53.0930, -1.4530

Conversions

Conversions Part 2

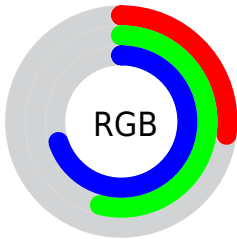
Format	Color
R_{YB}	70, 111, 178
Decimal	4622770
CIE _{Lab}	54.46, -8.76, -27.96
CIE _{LCh}	54, 29.297, 252.599
Yxy	22.4078, 0.2234, 0.2566
Android (android.graphics.Color)	4282812850 (0xFF4689B2)
YUV	121.6410, 27.7850, -45.2892
Hunter-Lab	47.3369, -9.2805, -23.7489

Details

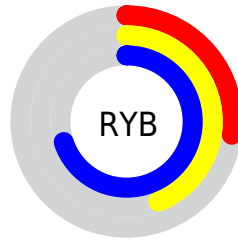
The XYZ color **19.5073, 22.4078, 45.4165** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **25.1507, 21.2769, 8.5764**, and the grayscale version is **18.3074, 19.2608, 20.9750**.

A 20% lighter version of the original color is **42.0171, 47.2795, 84.7532**, and **7.1099, 8.2971, 20.6288** is the 20% darker color. If you saturate the color by 10%, you get **17.4779, 19.9804, 45.0553**, and if you desaturate by 10%, it is **21.9789, 25.1534, 45.8166**.

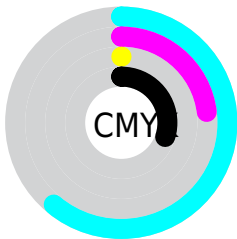
Distribution



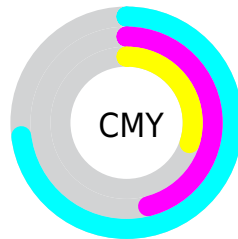
- Red (27%)
- Green (54%)
- Blue (70%)



- Red (27%)
- Yellow (44%)
- Blue (70%)



- Cyan (61%)
- Magenta (23%)
- Yellow (0%)
- Black (30%)



- Cyan (73%)
- Magenta (46%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5073, 22.4078, 45.4165 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 19.5073, 22.4078, 45.4165 by changing the saturation by 10% instead.

■ 19.5073, 22.4078,
45.4165

■ 19.5073, 22.4078,
45.4165

242.1199,
264.6686, 384.6670

■ 12.1436, 14.1569,
31.4403

■ 42.0999, 47.4191,
84.6701

■ 6.9144, 8.2298,
20.6731

■ 58.0594, 64.9482,
110.7846

■ 3.4545, 4.2424,
12.6963

■ 77.6149, 86.3388,
141.7823

■ 1.3984, 1.8100,
7.0915

■ 101.1318,
111.9754, 178.0816

■ 0.2551, 0.4934,
3.4401

■ 128.9754,
142.2422, 220.1012

■ 0.0000, 0.0000,
1.3235

161.5111,

■ 0.0000, 0.0000,

177.5238, 268.2596

0.0809

199.1041,
218.2044, 322.9754

■ 0.0000, 0.0000,
0.0000

■ 19.5073, 22.4078,
45.4165

■ 19.5073, 22.4078,
45.4165

■ 17.4779, 19.9804,
45.0553

■ 21.9789, 25.1534,
45.8166

■ 15.8526, 17.8485,
44.7295

■ 24.9220, 28.2325,
46.2558

■ 14.5900, 15.9897,
44.4373

■ 28.3659, 31.6622,
46.7363

■ 13.6580, 14.4585,
44.1908

■ 32.3366, 35.4575,
47.2596

■ 36.8582, 39.6322,
47.8271

■ 41.9535, 44.1994,
48.4401

■ 47.6436, 49.1716,
49.0999

■ 53.9487, 54.5603,
49.8077

■ 60.8879, 60.3770,
50.5647

Harmonies

Analogous

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



17.0754, 22.4078, 38.4029



19.5073, 22.4078, 45.4165



22.6709, 22.4078, 45.9983

Triad

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



19.5073, 22.4078, 45.4165



27.8973, 22.4078, 20.7469



17.3925, 22.4078, 13.5745

Complementary

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



19.5073, 22.4078, 45.4165



25.1507, 21.2769, 8.5764

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.



19.9816, 22.4078, 10.9076



19.5073, 22.4078, 45.4165



26.1649, 22.4078, 14.2944

Square

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



19.5073, 22.4078, 45.4165



27.7376, 22.4078, 30.0673



23.1949, 22.4078, 11.1329



15.9412, 22.4078, 19.4908

Rectangle

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



19.5073, 22.4078, 45.4165



24.7942, 22.4078, 42.4958



23.1949, 22.4078, 11.1329



18.1468, 22.4078, 12.3437

Sweetspot

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



19.5081, 22.4086, 45.4170



60.4835, 66.0232, 85.9371



21.2396, 34.2606, 20.1324



12.9021, 14.1614, 18.9757



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.



19.5081, 22.4086, 45.4170



30.5555, 34.7845, 81.4848



13.7639, 10.9202, 43.5023



8.4662, 9.0787, 10.8125



9.8345, 10.4693, 31.6394



0.3635, 0.4376, 1.0135

Inverse Universe

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



25.0663, 15.6522, 25.3678



42.0972, 23.4985, 39.2368



32.6702, 36.3158, 11.0829



8.7105, 8.5909, 9.9741



15.1986, 7.5970, 11.4719



0.5055, 0.2500, 0.5048

Previews

White Background



This preview shows how the XYZ color 19.5073, 22.4078, 45.4165 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 19.5073, 22.4078, 45.4165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

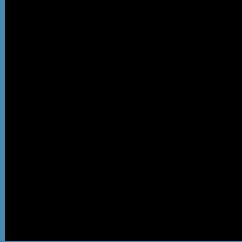
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.5073, 22.4078, 45.4165

Background



This preview shows how black text looks on a background with the XYZ color 19.5073, 22.4078, 45.4165.

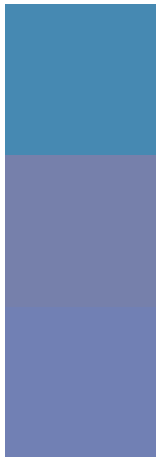


This preview shows how white text looks on a background with the XYZ color 19.5073, 22.4078,

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

19.5073, 22.4078, 45.4165

Protanopia

22.5411, 22.2302, 41.6309

Deuteranopia

22.7674, 22.2443, 46.2736



Tritanopia

17.2264, 22.5757, 33.5866

Trichromacy



Original Color

19.5073, 22.4078, 45.4165

Protanomaly

21.1231, 22.0553, 43.1882

Deuteranomaly

21.1827, 22.0287, 45.7833

Tritanomaly

17.9496, 22.4216, 37.5642

Monochromacy



Original Color

19.5073, 22.4078, 45.4165

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.0654, 20.0153, 28.5024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5073, 22.4078, 45.4165 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(70, 137, 178)` looks like.

```
.text, #text, p{  
    color:rgb(70, 137, 178)  
}
```

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(70, 137, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 137, 178) }
```

Border

The CSS property to change the border of an element to XYZ 19.5073, 22.4078, 45.4165 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(70, 137, 178) }
```


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

```
.border{ border-color:rgb(70, 137, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 137, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 137, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 137, 178);  
box-shadow:4px 4px 4px 4px rgb(70, 137,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5073, 22.4078, 45.4165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 137, 178) }
```

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

```
.background{ background-color: rgb(70, 137,  
178) }
```

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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