

Converting Colors

XYZ(19.4545, 22.2909, 46.4570)

Have a look what the booklet for
XYZ(19.4545, 22.2909, 46.4570)
contains.

XYZ(19.4986, 22.3799, 46.4721)	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(19.4986, 22.3799,
46.4721)**

Conversions

Conversions Part 1

Format	Color
Hex	4389B4
RGB	67, 137, 180
RGB Percent	26%, 54%, 71%
CMY	0.7372, 0.4627, 0.2941
CMYK	0.63, 0.24, 0.00, 0.29
HSL	203°, 46%, 48%
HSV	203°, 63%, 71%
XYZ	19.4986, 22.3799, 46.4721
YIQ	120.9720, -55.5230, -1.4670

Conversions

Conversions Part 2

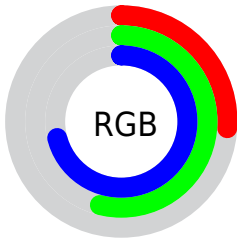
Format	Color
R _Y B	67, 110, 180
Decimal	4426164
CIE Lab	54.43, -8.68, -29.16
CIE LCh	54, 30.420, 253.422
Yxy	22.3799, 0.2207, 0.2533
Android (android.graphics.Color)	4282616244 (0xFF4389B4)
YUV	120.9720, 29.1008, -47.3334
Hunter-Lab	47.3074, -9.2159, -25.1279

Details

The XYZ color **19.4986, 22.3799, 46.4721** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **25.4123, 21.2616, 8.0756**, and the grayscale version is **18.0876, 19.0295, 20.7232**.

A 20% lighter version of the original color is **42.0112, 47.2430, 86.2615**, and **7.2390, 8.3487, 21.3086** is the 20% darker color. If you saturate the color by 10%, you get **17.5081, 19.9542, 46.1092**, and if you desaturate by 10%, it is **21.9359, 25.1285, 46.8746**.

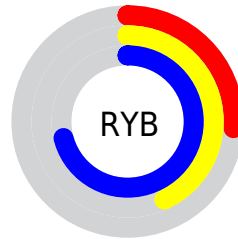
Distribution



Red (26%)

Green (54%)

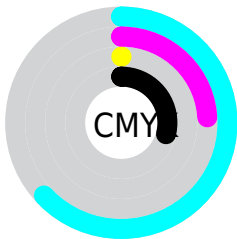
Blue (71%)



Red (26%)

Yellow (43%)

Blue (71%)

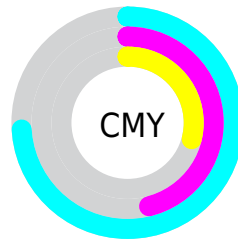


Cyan (63%)

Magenta (24%)

Yellow (0%)

Black (29%)



Cyan (74%)

Magenta (46%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4986, 22.3799, 46.4721 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 19.4986, 22.3799, 46.4721 by changing the saturation by 10% instead.

■ 19.4986, 22.3799,
46.4721

■ 19.4986, 22.3799,
46.4721

242.0733,
264.5238, 389.0360

■ 12.1372, 14.1363,
32.2672

■ 42.0853, 47.3731,
86.2668

■ 6.9101, 8.2155,
21.2991

■ 58.0414, 64.8915,
112.6937

■ 3.4518, 4.2332,
13.1495

■ 77.5931, 86.2703,
144.0316

■ 1.3969, 1.8048,
7.3996

■ 101.1058,
111.8938, 180.6991

■ 0.2540, 0.4902,
3.6310

■ 128.9448,
142.1466, 223.1148

■ 0.0000, 0.0000,
1.4252

161.4754,

■ 0.0000, 0.0000,

177.4129, 271.6971

0.1613

199.0632,
218.0772, 326.8647

■ 0.0000, 0.0000,
0.0000

■ 19.4986, 22.3799,
46.4721

■ 19.4986, 22.3799,
46.4721

■ 17.5081, 19.9542,
46.1092

■ 21.9359, 25.1285,
46.8746

■ 15.9241, 17.8278,
45.7823

■ 24.8511, 28.2164,
47.3170

■ 14.7021, 15.9764,
45.4893

■ 28.2747, 31.6615,
47.8015

■ 13.9779, 14.7745,
45.2955

■ 32.2341, 35.4794,
48.3298

■ 36.7544, 39.6846,
48.9032

■ 41.8592, 44.2907,
49.5232

■ 47.5707, 49.3106,
50.1911

■ 53.9098, 54.7565,
50.9082

■ 60.8963, 60.6400,
51.6756

Harmonies

Analogous

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



16.9568, 22.3799, 39.2483



19.4986, 22.3799, 46.4721



22.7906, 22.3799, 46.8747

Triad

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



19.4986, 22.3799, 46.4721



28.1173, 22.3799, 20.3592



17.1718, 22.3799, 13.3399

Complementary

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



19.4986, 22.3799, 46.4721



25.4123, 21.2616, 8.0756

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.



19.8213, 22.3799, 10.5425



19.4986, 22.3799, 46.4721



26.2621, 22.3799, 13.8229

Square

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



19.4986, 22.3799, 46.4721



28.0077, 22.3799, 29.9755



23.1486, 22.3799, 10.6925



15.7124, 22.3799, 19.5073

Rectangle

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



19.4986, 22.3799, 46.4721



24.9916, 22.3799, 43.0719



23.1486, 22.3799, 10.6925



17.9401, 22.3799, 12.0559

Sweetspot

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



19.4994, 22.3807, 46.4727



61.1570, 66.8808, 87.9806



21.3667, 34.9284, 19.9254



12.7375, 14.0036, 18.9539



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.



19.4994, 22.3807, 46.4727



30.6577, 34.7684, 83.3897



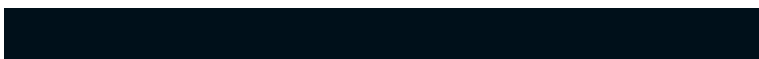
13.5761, 10.5342, 44.4982



8.4656, 9.0774, 10.8123



9.8220, 10.4444, 31.6353



0.3632, 0.4369, 1.0134

Inverse Universe

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



25.3456, 15.5246, 25.3283



42.7099, 23.5001, 39.1573



33.2793, 36.9955, 10.6979



8.7102, 8.5908, 9.9723



15.1923, 7.5945, 11.4388



0.5054, 0.2499, 0.5039

Previews

White Background



This preview shows how the XYZ color 19.4986, 22.3799, 46.4721 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 19.4986, 22.3799, 46.4721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

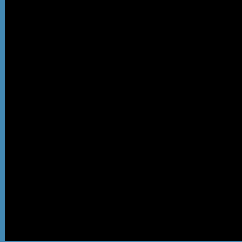
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.4986, 22.3799, 46.4721

Background



This preview shows how black text looks on a background with the XYZ color 19.4986, 22.3799, 46.4721.

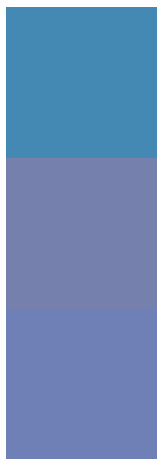


This preview shows how white text looks on a background with the XYZ color 19.4986, 22.3799,

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

19.4986, 22.3799, 46.4721

Protanopia

22.5981, 22.2374, 42.6364

Deuteranopia

22.7182, 22.1952, 47.3427



Tritanopia

16.9441, 22.4302, 33.5734

Trichromacy



Original Color

19.4986, 22.3799, 46.4721

Protanomaly

21.0984, 22.0198, 44.2125

Deuteranomaly

21.1761, 22.0017, 46.8467

Tritanomaly

17.7926, 22.3303, 38.0227

Monochromacy



Original Color

19.4986, 22.3799, 46.4721

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.8387, 19.8984, 28.4918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4986, 22.3799, 46.4721 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(67, 137, 180)` looks like.

```
.text, #text, p{  
    color:rgb(67, 137, 180)  
}
```

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(67, 137, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 137, 180) }
```

Border

The CSS property to change the border of an element to XYZ 19.4986, 22.3799, 46.4721 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(67, 137, 180) }
```


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

```
.border{ border-color:rgb(67, 137, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 137, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 137, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 137, 180);  
box-shadow:4px 4px 4px 4px rgb(67, 137,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4986, 22.3799, 46.4721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 137, 180) }
```

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

```
.background{ background-color: rgb(67, 137,  
180) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor