

Converting Colors

XYZ(22.6686, 29.2307, 43.4771)

Have a look what the booklet for
XYZ(22.6686, 29.2307, 43.4771)
contains.

XYZ(22.6686, 29.2307, 43.4771)	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(22.6686, 29.2307,
43.4771)**

Conversions

Conversions Part 1

Format	Color
Hex	4A9FAC
RGB	74, 159, 172
RGB Percent	29%, 62%, 67%
CMY	0.7098, 0.3765, 0.3255
CMYK	0.57, 0.08, 0.00, 0.33
HSL	188°, 40%, 48%
HSV	188°, 57%, 67%
XYZ	22.6686, 29.2307, 43.4771
YIQ	135.0670, -54.8330, -13.9770

Conversions

Conversions Part 2

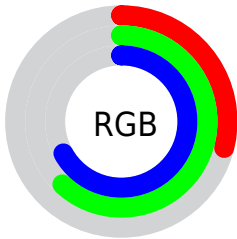
Format	Color
RYB	74, 120, 172
Decimal	4890540
CIELab	60.98, -21.76, -14.54
CIELCh	61, 26.170, 213.761
Yxy	29.2307, 0.2377, 0.3065
Android (android.graphics.Color)	4283080620 (0xFF4A9FAC)
YUV	135.0670, 18.2080, -53.5558
Hunter-Lab	54.0654, -19.7728, -9.8327

Details

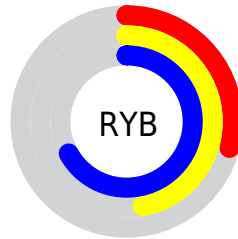
The XYZ color **22.6686, 29.2307, 43.4771** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.6582, 16.0822, 8.4421**, and the grayscale version is **23.0040, 24.2020, 26.3560**.

A 20% lighter version of the original color is **47.2718, 58.4645, 81.4663**, and **8.6479, 11.8715, 19.6049** is the 20% darker color. If you saturate the color by 10%, you get **21.1326, 27.8624, 43.2945**, and if you desaturate by 10%, it is **24.5757, 30.8023, 43.6805**.

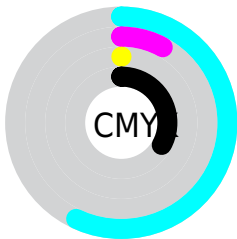
Distribution



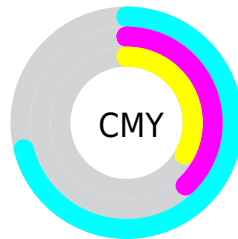
- Red (29%)
- Green (62%)
- Blue (67%)



- Red (29%)
- Yellow (47%)
- Blue (67%)



- Cyan (57%)
- Magenta (8%)
- Yellow (0%)
- Black (33%)



- Cyan (71%)
- Magenta (38%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6686, 29.2307, 43.4771 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 22.6686, 29.2307, 43.4771 by changing the saturation by 10% instead.

■ 22.6686, 29.2307,
43.4771

■ 22.6686, 29.2307,
43.4771

258.5855,
298.3019, 376.5489

■ 14.4683, 19.2554,
29.9255

■ 47.3193, 58.4434,
81.7244

■ 8.5310, 11.8550,
19.5304

■ 64.5004, 78.4496,
107.2571

■ 4.4912, 6.6450,
11.8735

■ 85.4058, 102.5683,
137.6207

■ 1.9836, 3.2411,
6.5361

■ 110.4010,
131.1838, 173.2335

■ 0.6247, 1.2589,
3.0997

■ 139.8512,
164.6805, 214.5142

■ 0.0000, 0.1090,
1.1458

174.1217,

■ 0.0000, 0.0000,

203.4428, 261.8813

0.0000

213.5781,
247.8552, 315.7534

■ 22.6686, 29.2307,
43.4771

■ 22.6686, 29.2307,
43.4771

■ 21.1326, 27.8624,
43.2945

■ 24.5757, 30.8023,
43.6805

■ 19.9346, 26.6784,
43.1291

■ 26.8781, 32.5879,
43.9038

■ 19.0403, 25.6616,
42.9800

■ 29.6010, 34.6011,
44.1488

■ 18.3983, 24.7855,
42.8447

■ 32.7669, 36.8536,
44.4168

■ 18.2234, 24.5325,
42.8051

■ 36.3965, 39.3562,
44.7085

■ 40.5093, 42.1188,
45.0250

■ 45.1237, 45.1511,
45.3671

■ 50.2569, 48.4621,
45.7356

■ 55.9255, 52.0602,
46.1313

Harmonies

Analogous

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



21.7264, 29.2307, 33.0781



22.6686, 29.2307, 43.4771



24.9769, 29.2307, 51.8748

Triad

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



22.6686, 29.2307, 43.4771



34.1057, 29.2307, 40.8969



27.3540, 29.2307, 16.4958

Complementary

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



22.6686, 29.2307, 43.4771



21.6582, 16.0822, 8.4421

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.



30.7916, 29.2307, 17.7519



22.6686, 29.2307, 43.4771



34.8717, 29.2307, 30.6084

Square

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



22.6686, 29.2307, 43.4771



31.5983, 29.2307, 50.1835



33.6138, 29.2307, 22.4700



24.2877, 29.2307, 18.6018

Rectangle

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



22.6686, 29.2307, 43.4771



27.0746, 29.2307, 54.4484



33.6138, 29.2307, 22.4700



28.5034, 29.2307, 16.5416

Sweetspot

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



22.6695, 29.2318, 43.4778



59.2401, 66.7148, 80.5607



19.2343, 31.6244, 13.7762



12.6214, 14.3210, 17.4867



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



22.6695, 29.2318, 43.4778



37.7979, 50.0355, 78.4714



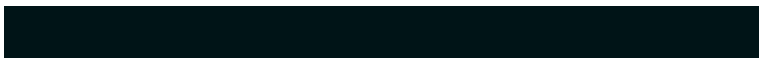
16.0178, 15.9284, 41.2606



8.1444, 8.8881, 10.2390



13.5898, 18.3135, 31.8631



0.4027, 0.5587, 0.8946

Inverse Universe

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



25.7209, 16.1723, 34.5680



44.0878, 24.8885, 59.7074



26.8352, 26.4362, 10.1678



8.2907, 8.1295, 9.8415



16.7231, 8.1518, 21.9853



0.4776, 0.2317, 0.6770

Previews

White Background



This preview shows how the XYZ color 22.6686, 29.2307, 43.4771 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 22.6686, 29.2307, 43.4771 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

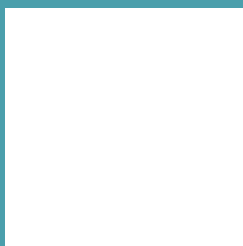
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.6686, 29.2307, 43.4771

Background



This preview shows how black text looks on a background with the XYZ color 22.6686, 29.2307, 43.4771.



This preview shows how white text looks on a background with the XYZ color 22.6686, 29.2307,

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

22.6686, 29.2307, 43.4771

Protanopia

28.2379, 28.8244, 38.7257

Deuteranopia

29.4144, 28.8511, 44.5759



Tritanopia

22.6686, 29.2307, 43.4771

Trichromacy



Original Color

22.6686, 29.2307, 43.4771

Protanomaly

25.3970, 28.4878, 40.2365

Deuteranomaly

26.1332, 28.5440, 44.1766

Tritanomaly

22.6686, 29.2307, 43.4771

Monochromacy



Original Color

22.6686, 29.2307, 43.4771

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

22.1286, 25.5953, 31.7911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6686, 29.2307, 43.4771 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(74, 159, 172)` looks like.

```
.text, #text, p{  
    color:rgb(74, 159, 172)  
}
```

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(74, 159, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 159, 172) }
```

Border

The CSS property to change the border of an element to XYZ 22.6686, 29.2307, 43.4771 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(74, 159, 172) }
```


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

```
.border{ border-color:rgb(74, 159, 172) }
```

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

Here you see how a box with a 4 pixel rgb(74, 159, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 159, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 159, 172);  
box-shadow:4px 4px 4px 4px rgb(74, 159,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6686, 29.2307, 43.4771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 159, 172) }
```

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

```
.background{ background-color: rgb(74, 159,  
172) }
```

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