

Converting Colors

XYZ(22.1508, 22.9690, 43.6043)

Have a look what the booklet for
XYZ(22.1508, 22.9690, 43.6043)
contains.

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Color

**XYZ(22.1888, 22.9960,
43.8266)**

Conversions

Conversions Part 1

Format	Color
Hex	6B85AF
RGB	107, 133, 175
RGB Percent	42%, 52%, 69%
CMY	0.5804, 0.4784, 0.3137
CMYK	0.39, 0.24, 0.00, 0.31
HSL	217°, 30%, 55%
HSV	217°, 39%, 69%
XYZ	22.1888, 22.9960, 43.8266
YIQ	130.0140, -28.9780, 7.5500

Conversions

Conversions Part 2

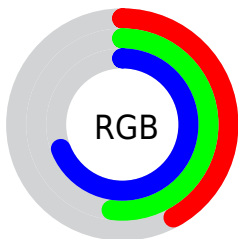
Format	Color
R_{YB}	107, 126, 175
Decimal	7046575
CIE _{Lab}	55.07, 1.54, -25.14
CIE _{LCh}	55, 25.185, 273.511
Yxy	22.9960, 0.2493, 0.2583
Android (android.graphics.Color)	4285236655 (0xFF6B85AF)
YUV	130.0140, 22.1781, -20.1833
Hunter-Lab	47.9541, -1.3263, -20.6188

Details

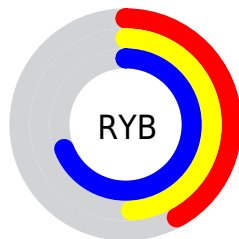
The XYZ color **22.1888, 22.9960, 43.8266** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **31.0810, 31.6710, 18.3857**, and the grayscale version is **21.1551, 22.2568, 24.2377**.

A 20% lighter version of the original color is **46.6807, 48.4644, 82.4955**, and **8.2587, 8.5580, 19.6289** is the 20% darker color. If you saturate the color by 10%, you get **18.8895, 19.2106, 43.2703**, and if you desaturate by 10%, it is **26.0677, 27.3072, 44.4547**.

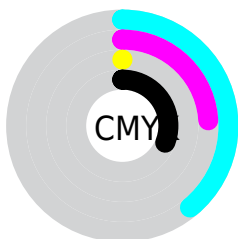
Distribution



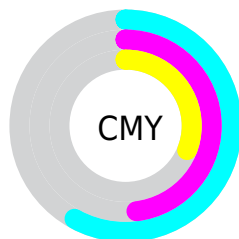
- Red (42%)
- Green (52%)
- Blue (69%)



- Red (42%)
- Yellow (49%)
- Blue (69%)



- Cyan (39%)
- Magenta (24%)
- Yellow (0%)
- Black (31%)



- Cyan (58%)
- Magenta (48%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1888, 22.9960, 43.8266 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 22.1888, 22.9960, 43.8266 by changing the saturation by 10% instead.

■ 22.1888, 22.9960,
43.8266

■ 22.1888, 22.9960,
43.8266

256.1445,
267.7044, 378.0208

■ 14.1131, 14.5906,
30.1980

■ 46.5344, 48.3868,
82.2564

■ 8.2816, 8.5325,
19.7356

■ 63.5349, 66.1409,
107.8948

■ 4.3290, 4.4376,
12.0208

■ 84.2412, 87.7800,
138.3735

■ 1.8899, 1.9212,
6.6352

■ 109.0184,
113.6885, 174.1110

■ 0.5709, 0.5611,
3.1600

138.2320,
144.2508, 215.5260

■ 0.0000, 0.0000,
1.1769

172.2473,

■ 0.0000, 0.0000,

179.8513, 263.0369

0.0000

211.4297,
220.8744, 317.0624

■ 22.1888, 22.9960,
43.8266

■ 22.1888, 22.9960,
43.8266

■ 18.8895, 19.2106,
43.2703

■ 26.0677, 27.3072,
44.4547

■ 16.1372, 15.9260,
42.7813

■ 30.5520, 32.1627,
45.1556

■ 13.8990, 13.1187,
42.3574

■ 35.6687, 37.5829,
45.9321

■ 12.1375, 10.7616,
41.9953

■ 41.4421, 43.5866,
46.7866

■ 10.8094, 8.8247,
41.6914

■ 47.8957, 50.1916,
47.7214

■ 9.8392, 7.2604,
41.4406

■ 55.0514, 57.4148,
48.7385

■ 9.7399, 7.0991,
41.4147

■ 62.9301, 65.2724,
49.8399

■ 71.5521, 73.7802,
51.0276

■ 77.3532, 81.1058,
52.1358

Harmonies

Analogous

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



19.5396, 22.9960, 41.5550



22.1888, 22.9960, 43.8266



24.9705, 22.9960, 40.2438

Triad

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



22.1888, 22.9960, 43.8266



26.6670, 22.9960, 17.4455



17.3784, 22.9960, 18.7644

Complementary

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



22.1888, 22.9960, 43.8266



31.0810, 31.6710, 18.3857

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.



19.0138, 22.9960, 14.2459



22.1888, 22.9960, 43.8266



24.3508, 22.9960, 13.6065

Square

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



22.1888, 22.9960, 43.8266



27.6914, 22.9960, 24.1051



21.5285, 22.9960, 12.5737



16.9057, 22.9960, 25.9961

Rectangle

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



22.1888, 22.9960, 43.8266



26.4839, 22.9960, 35.3879



21.5285, 22.9960, 12.5737



17.8030, 22.9960, 16.9340

Sweetspot

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



22.1896, 22.9969, 43.8271



60.6803, 63.9405, 81.7804



26.8135, 35.9541, 33.9332



13.2254, 13.9351, 18.1370



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



22.1896, 22.9969, 43.8271



34.4001, 35.0702, 77.5930



20.0578, 17.2517, 42.8306



7.8205, 8.2405, 10.1311



7.0306, 5.1950, 29.6767



0.2494, 0.2522, 0.8435

Inverse Universe

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



27.1712, 21.3236, 24.8750



44.8524, 32.3996, 37.6395



33.9348, 39.9447, 19.8323



8.1272, 8.0641, 8.9808



13.4124, 6.8275, 4.5509



0.4003, 0.2008, 0.2696

Previews

White Background



This preview shows how the XYZ color 22.1888, 22.9960, 43.8266 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 22.1888, 22.9960, 43.8266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

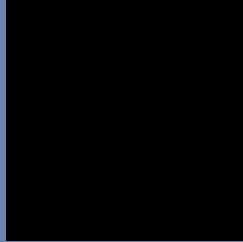
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.1888, 22.9960, 43.8266

Background



This preview shows how black text looks on a background with the XYZ color 22.1888, 22.9960, 43.8266.

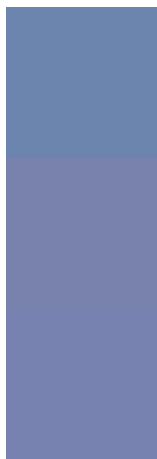


This preview shows how white text looks on a background with the XYZ color 22.1888, 22.9960,

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

22.1888, 22.9960, 43.8266

Protanopia

23.2712, 22.9755, 42.7433

Deuteranopia

23.5648, 23.0929, 44.2897



Tritanopia

19.7688, 23.0562, 31.8421

Trichromacy



Original Color

22.1888, 22.9960, 43.8266

Protanomaly

22.8265, 22.9334, 43.2679

Deuteranomaly

23.0230, 23.0120, 44.3026

Tritanomaly

20.5692, 22.9605, 35.6955

Monochromacy



Original Color

22.1888, 22.9960, 43.8266

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.3306, 22.4455, 30.4023

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1888, 22.9960, 43.8266 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(107, 133, 175)` looks like.

```
.text, #text, p{  
    color:rgb(107, 133, 175)  
}
```

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(107, 133, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 133, 175) }
```

Border

The CSS property to change the border of an element to XYZ 22.1888, 22.9960, 43.8266 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(107, 133, 175) }
```


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

```
.border{ border-color:rgb(107, 133, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 133, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 133, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 133, 175);  
box-shadow:4px 4px 4px 4px rgb(107, 133,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1888, 22.9960, 43.8266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 133, 175) }
```

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

```
.background{ background-color: rgb(107,  
133, 175) }
```

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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