

Converting Colors

XYZ(20.8660, 22.6069, 39.8245)

Have a look what the booklet for
XYZ(20.8660, 22.6069, 39.8245)
contains.

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Color

**XYZ(20.8670, 22.6069,
39.8230)**

Conversions

Conversions Part 1

Format	Color
Hex	6586A7
RGB	101, 134, 167
RGB Percent	40%, 53%, 65%
CMY	0.6039, 0.4745, 0.3451
CMYK	0.40, 0.20, 0.00, 0.35
HSL	210°, 27%, 53%
HSV	210°, 40%, 65%
XYZ	20.8670, 22.6069, 39.8230
YIQ	127.8950, -30.2610, 3.2670

Conversions

Conversions Part 2

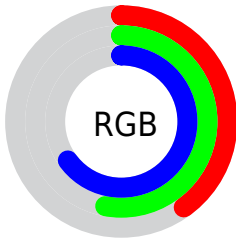
Format	Color
RYB	101, 123, 167
Decimal	6653607
CIELab	54.67, -2.96, -21.19
CIELCh	55, 21.397, 262.051
Yxy	22.6069, 0.2505, 0.2714
Android (android.graphics.Color)	4284843687 (0xFF6586A7)
YUV	127.8950, 19.2788, -23.5869
Hunter-Lab	47.5467, -4.8678, -16.3760

Details

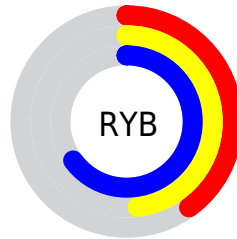
The XYZ color **20.8670, 22.6069, 39.8230** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **26.8110, 26.2059, 15.9579**, and the grayscale version is **20.4249, 21.4886, 23.4011**.

A 20% lighter version of the original color is **44.2816, 47.6846, 75.9774**, and **7.6584, 8.4129, 17.4399** is the 20% darker color. If you saturate the color by 10%, you get **18.0750, 19.5218, 39.3751**, and if you desaturate by 10%, it is **24.1316, 26.0719, 40.3201**.

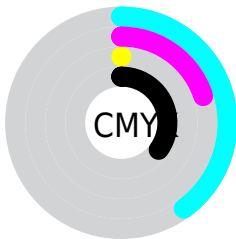
Distribution



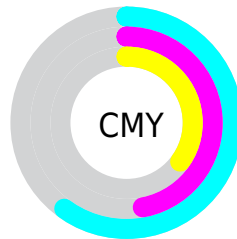
- Red (40%)
- Green (53%)
- Blue (65%)



- Red (40%)
- Yellow (48%)
- Blue (65%)



- Cyan (40%)
- Magenta (20%)
- Yellow (0%)
- Black (35%)



- Cyan (60%)
- Magenta (47%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8670, 22.6069, 39.8230 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 20.8670, 22.6069, 39.8230 by changing the saturation by 10% instead.

■ 20.8670, 22.6069,
39.8230

■ 20.8670, 22.6069,
39.8230

249.3159,
265.6995, 360.9069

■ 13.1387, 14.3035,
27.0878

■ 44.3590, 47.7470,
76.1280

■ 7.6018, 8.3321,
17.4062

■ 60.8535, 65.3526,
100.5350

■ 3.8909, 4.3082,
10.3595

■ 81.0007, 86.8277,
129.6696

■ 1.6406, 1.8474,
5.5292

■ 105.1661,
112.5566, 163.9505

■ 0.4186, 0.5165,
2.4969

133.7149,
142.9239, 203.7961

■ 0.0000, 0.0000,
0.8385

167.0126,

■ 0.0000, 0.0000,

178.3139, 249.6250

0.0000

205.4245,
219.1109, 301.8557

■ 20.8670, 22.6069,
39.8230

■ 20.8670, 22.6069,
39.8230

■ 18.0750, 19.5218,
39.3751

■ 24.1316, 26.0719,
40.3201

■ 15.7280, 16.7979,
38.9730

■ 27.8898, 29.9291,
40.8666

■ 13.7990, 14.4185,
38.6154

■ 32.1640, 34.1935,
41.4644

■ 12.2567, 12.3639,
38.3001

■ 36.9743, 38.8784,
42.1152

■ 11.0644, 10.6120,
38.0248

■ 42.3400, 43.9963,
42.8202

■ 10.1479, 9.1207,
37.7853

■ 48.2791, 49.5593,
43.5810

■ 10.1069, 9.0535,
37.7745

■ 54.8089, 55.5788,
44.3987

■ 61.9460, 62.0660,
45.2747

■ 69.7062, 69.0314,
46.2101

Harmonies

Analogous

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



18.8210, 22.6069, 36.3235



20.8670, 22.6069, 39.8230



23.2325, 22.6069, 38.6981

Triad

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



20.8670, 22.6069, 39.8230



25.9635, 22.6069, 20.0601



18.1105, 22.6069, 17.4700

Complementary

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



20.8670, 22.6069, 39.8230



26.8110, 26.2059, 15.9579

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.



19.8315, 22.6069, 14.4453



20.8670, 22.6069, 39.8230



24.3940, 22.6069, 15.7392

Square

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



20.8670, 22.6069, 39.8230



26.2913, 22.6069, 26.4525



22.1195, 22.6069, 13.8753



17.3071, 22.6069, 22.8648

Rectangle

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



20.8670, 22.6069, 39.8230



24.6652, 22.6069, 35.5556



22.1195, 22.6069, 13.8753



18.5946, 22.6069, 16.1862

Sweetspot

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



20.8677, 22.6078, 39.8235



55.4447, 59.1041, 73.9613



23.4129, 32.0954, 27.1159



12.1911, 13.0114, 16.5211



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.8677, 22.6078, 39.8235



33.1485, 35.8382, 70.6456



17.1038, 15.0800, 38.5689



7.4300, 7.8970, 9.5510



7.7829, 7.0259, 28.9214



0.2406, 0.2734, 0.7207

Inverse Universe

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



24.8938, 19.2449, 24.9577



41.5237, 29.6933, 39.5299



31.9039, 36.3917, 17.6555



7.6817, 7.6025, 8.6409



13.4290, 6.7803, 7.0708



0.3526, 0.1753, 0.3082

Previews

White Background



This preview shows how the XYZ color 20.8670, 22.6069, 39.8230 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 20.8670, 22.6069, 39.8230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

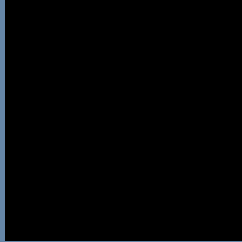
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.8670, 22.6069, 39.8230

Background



This preview shows how black text looks on a background with the XYZ color 20.8670, 22.6069, 39.8230.

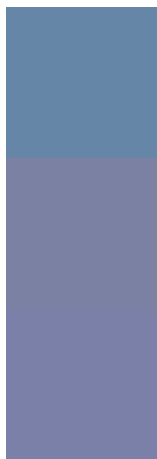


This preview shows how white text looks on a background with the XYZ color 20.8670, 22.6069,

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

20.8670, 22.6069, 39.8230

Protanopia

22.4872, 22.4824, 37.8047

Deuteranopia

22.9554, 22.4764, 40.1743



Tritanopia

19.1148, 22.5162, 31.3556

Trichromacy



Original Color

20.8670, 22.6069, 39.8230

Protanomaly

21.7566, 22.4903, 38.3163

Deuteranomaly

22.1207, 22.4373, 40.2107

Tritanomaly

19.7576, 22.5715, 34.3258

Monochromacy



Original Color

20.8670, 22.6069, 39.8230

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.3363, 21.7698, 28.7213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8670, 22.6069, 39.8230 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(101, 134, 167)` looks like.

```
.text, #text, p{  
    color:rgb(101, 134, 167)  
}
```

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(101, 134, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 134, 167) }
```

Border

The CSS property to change the border of an element to XYZ 20.8670, 22.6069, 39.8230 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(101, 134, 167) }
```


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

```
.border{ border-color:rgb(101, 134, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 134, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 134, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 134, 167);  
box-shadow:4px 4px 4px 4px rgb(101, 134,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8670, 22.6069, 39.8230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 134, 167) }
```

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

```
.background{ background-color: rgb(101,  
134, 167) }
```

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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