

# Converting Colors

XYZ(21.7139, 22.6536, 41.1181)

Have a look what the booklet for  
XYZ(21.7139, 22.6536, 41.1181)  
contains.

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# Color

**XYZ(21.6913, 22.5930,  
41.2478)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6C84AA
RGB	108, 132, 170
RGB Percent	42%, 52%, 67%
CMY	0.5765, 0.4823, 0.3333
CMYK	0.36, 0.22, 0.00, 0.33
HSL	217°, 27%, 55%
HSV	217°, 36%, 67%
XYZ	21.6913, 22.5930, 41.2478
YIQ	129.1560, -26.5020, 6.7300

# Conversions

## Conversions Part 2

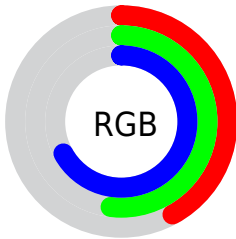
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	108, 125, 170
Decimal	7111850
CIE Lab	54.65, 1.02, -22.90
CIE LCh	55, 22.925, 272.560
Yxy	22.5930, 0.2536, 0.2641
Android (android.graphics.Color)	4285301930 (0xFF6C84AA)
YUV	129.1560, 20.1361, -18.5538
Hunter-Lab	47.5321, -1.7226, -18.1787

# Details

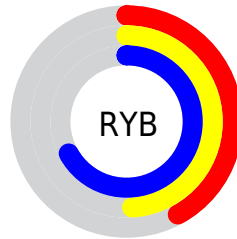
The XYZ color **21.6913, 22.5930, 41.2478** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.5636, 30.1868, 18.4565**, and the grayscale version is **20.8598, 21.9461, 23.8994**.

A 20% lighter version of the original color is **45.6375, 47.7112, 78.0380**, and **8.0506, 8.3644, 18.3297** is the 20% darker color. If you saturate the color by 10%, you get **18.4789, 18.9436, 40.7131**, and if you desaturate by 10%, it is **25.4495, 26.7343, 41.8495**.

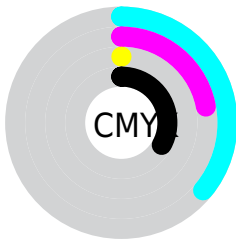
# Distribution



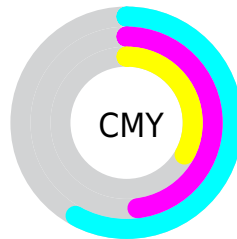
- Red (42%)
- Green (52%)
- Blue (67%)



- Red (42%)
- Yellow (49%)
- Blue (67%)



- Cyan (36%)
- Magenta (22%)
- Yellow (0%)
- Black (33%)



- Cyan (58%)
- Magenta (48%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6913, 22.5930, 41.2478 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 21.6913, 22.5930, 41.2478 by changing the saturation by 10% instead.



■ 21.6913, 22.5930,  
41.2478

■ 21.6913, 22.5930,  
41.2478

253.5927,  
265.6276, 367.0625

■ 13.7456, 14.2933,  
28.1916

■ 45.7179, 47.7242,  
78.3177

■ 8.0244, 8.3249,  
18.2298

■ 62.5295, 65.3244,  
103.1684

■ 4.1625, 4.3036,  
10.9440

■ 83.0271, 86.7936,  
132.7878

■ 1.7945, 1.8448,  
5.9155

■ 107.5761,  
112.5161, 167.5943

■ 0.5143, 0.5149,  
2.7258

136.5418,  
142.8764, 208.0065

■ 0.0000, 0.0000,  
0.9564

170.2895,

■ 0.0000, 0.0000,

178.2588, 254.4429

0.0000

209.1847,  
219.0477, 307.3220

■ 21.6913, 22.5930,  
41.2478

■ 21.6913, 22.5930,  
41.2478

■ 18.4789, 18.9436,  
40.7131

■ 25.4495, 26.7343,  
41.8495

■ 15.7824, 15.7630,  
40.2413

■ 29.7768, 31.3838,  
42.5188

■ 13.5722, 13.0302,  
39.8303

■ 34.6978, 36.5604,  
43.2587

■ 11.8147, 10.7209,  
39.4772

■ 40.2351, 42.2811,  
44.0710

■ 10.4710, 8.8082,  
39.1788

■ 46.4098, 48.5620,  
44.9579

■ 9.4892, 7.2575,  
38.9313

■ 53.2421, 55.4188,  
45.9213

■ 9.1929, 6.7765,  
38.8540

■ 60.7515, 62.8661,  
46.9630

■ 68.9562, 70.9183,  
48.0848

■ 75.6310, 78.4328,  
49.1834

# Harmonies

## Analogous

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



19.3157, 22.5930, 39.1002



21.6913, 22.5930, 41.2478



24.1912, 22.5930, 38.2614

# Triad

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



21.6913, 22.5930, 41.2478



25.8263, 22.5930, 17.8565



17.4510, 22.5930, 18.7385

# Complementary

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



21.6913, 22.5930, 41.2478



29.5636, 30.1868, 18.4565

# 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.



18.9682, 22.5930, 14.6523



21.6913, 22.5930, 41.2478



23.7873, 22.5930, 14.2175

# Square

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



21.6913, 22.5930, 41.2478



26.6924, 22.5930, 23.9848



21.2581, 22.5930, 13.1697



16.9843, 22.5930, 25.2255



# Rectangle

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



21.6913, 22.5930, 41.2478



25.5594, 22.5930, 34.0467



21.2581, 22.5930, 13.1697



17.8489, 22.5930, 17.0854

# Sweetspot

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



21.6920, 22.5939, 41.2483



58.5948, 61.7706, 77.8365



25.6859, 33.9886, 32.0762



12.8074, 13.5019, 17.3188



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.



21.6920, 22.5939, 41.2483



34.4355, 35.4175, 74.0232



19.5844, 17.2189, 40.3220



7.3610, 7.7590, 9.5280



6.8131, 5.0864, 28.5982



0.2156, 0.2234, 0.7124



# Inverse Universe

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



26.1056, 20.9378, 24.4963



43.8392, 32.5899, 38.1733



32.3505, 37.7038, 19.7606



7.6468, 7.5886, 8.4574



12.9395, 6.5845, 4.4931



0.3400, 0.1703, 0.2417



# Previews

## White Background



This preview shows how the XYZ color 21.6913, 22.5930, 41.2478 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 21.6913, 22.5930, 41.2478 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

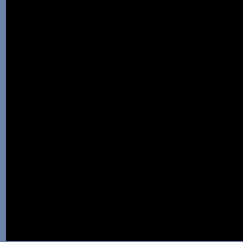
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

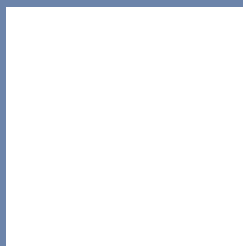
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 21.6913, 22.5930, 41.2478**

## **Background**



This preview shows how black text looks on a background with the XYZ color 21.6913, 22.5930, 41.2478.



This preview shows how white text looks on a background with the XYZ color 21.6913, 22.5930,



# 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

21.6913, 22.5930, 41.2478

### Protanopia

22.6639, 22.5207, 40.1982

### Deuteranopia

22.9550, 22.4436, 41.6503



## Tritanopia

19.5501, 22.5397, 30.9240

# Trichromacy



## Original Color

21.6913, 22.5930, 41.2478

## Protanomaly

22.3465, 22.5428, 40.7095

## Deuteranomaly

22.4034, 22.3538, 41.6620

## Tritanomaly

20.2893, 22.6376, 34.3105

# Monochromacy



## Original Color

21.6913, 22.5930, 41.2478

## Achromatopsia

20.8660, 21.9526, 23.9064

## Achromatomaly

20.9018, 22.0438, 29.5388

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 21.6913, 22.5930, 41.2478 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(108, 132, 170)` looks like.

```
.text, #text, p{  
    color:rgb(108, 132, 170)  
}
```

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(108, 132, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 132, 170) }
```

## Border

The CSS property to change the border of an element to XYZ 21.6913, 22.5930, 41.2478 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(108, 132, 170) }
```



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

```
.border{ border-color:rgb(108, 132, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 132, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 132, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 132, 170);  
box-shadow:4px 4px 4px 4px rgb(108, 132,  
170) }
```

# Background

The CSS property to change the background color of an element to XYZ 21.6913, 22.5930, 41.2478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 132, 170) }
```

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

```
.background{ background-color: rgb(108,  
132, 170) }
```

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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