

Converting Colors

XYZ(21.7908, 23.4418, 42.5607)

Have a look what the booklet for
XYZ(21.7908, 23.4418, 42.5607)
contains.

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Color

**XYZ(21.7300, 23.4117,
42.4033)**

Conversions

Conversions Part 1

Format	Color
Hex	6688AC
RGB	102, 136, 172
RGB Percent	40%, 53%, 67%
CMY	0.6000, 0.4667, 0.3255
CMYK	0.41, 0.21, 0.00, 0.33
HSL	211°, 30%, 54%
HSV	211°, 41%, 67%
XYZ	21.7300, 23.4117, 42.4033
YIQ	129.9380, -31.8200, 3.9880

Conversions

Conversions Part 2

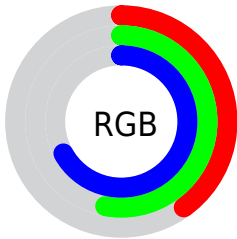
Format	Color
RYB	102, 125, 172
Decimal	6719660
CIELab	55.49, -2.43, -22.79
CIELCh	55, 22.917, 263.915
Yxy	23.4117, 0.2482, 0.2674
Android (android.graphics.Color)	4284909740 (0xFF6688AC)
YUV	129.9380, 20.7366, -24.5016
Hunter-Lab	48.3856, -4.5105, -18.0895

Details

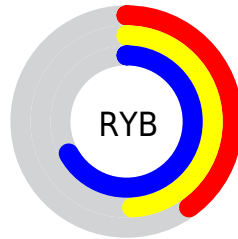
The XYZ color **21.7300, 23.4117, 42.4033** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **28.5004, 27.9072, 16.4555**, and the grayscale version is **21.1339, 22.2345, 24.2134**.

A 20% lighter version of the original color is **45.5803, 48.9098, 79.7112**, and **8.0333, 8.6898, 19.0232** is the 20% darker color. If you saturate the color by 10%, you get **18.7846, 20.1200, 41.9236**, and if you desaturate by 10%, it is **25.1843, 27.1193, 42.9373**.

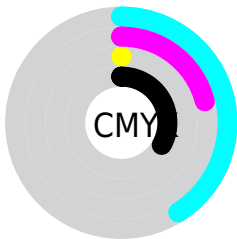
Distribution



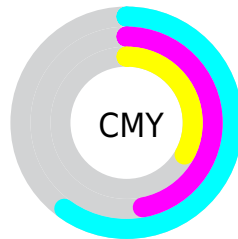
- Red (40%)
- Green (53%)
- Blue (67%)



- Red (40%)
- Yellow (49%)
- Blue (67%)



- Cyan (41%)
- Magenta (21%)
- Yellow (0%)
- Black (33%)



- Cyan (60%)
- Magenta (47%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7300, 23.4117, 42.4033 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 21.7300, 23.4117, 42.4033 by changing the saturation by 10% instead.

■ 21.7300, 23.4117,
42.4033

■ 21.7300, 23.4117,
42.4033

253.7920,
269.8326, 372.0009

■ 13.7741, 14.8978,
29.0893

■ 45.7815, 49.0685,
80.0863

■ 8.0444, 8.7477,
18.9022

■ 62.6079, 66.9801,
105.2924

■ 4.1754, 4.5770,
11.4235

■ 83.1218, 88.7931,
135.2996

■ 1.8018, 2.0013,
6.2347

■ 107.6886,
114.8919, 170.5264

■ 0.5188, 0.6082,
2.9172

136.6737,
145.6608, 211.3914

■ 0.0000, 0.0000,
1.0525

170.4424,

■ 0.0000, 0.0000,

181.4843, 258.3131

0.0000

209.3600,
222.7468, 311.7101

■ 21.7300, 23.4117,
42.4033

■ 21.7300, 23.4117,
42.4033

■ 18.7846, 20.1200,
41.9236

■ 25.1843, 27.1193,
42.9373

■ 16.3179, 17.2237,
41.4946

■ 29.1704, 31.2568,
43.5258

■ 14.3003, 14.7040,
41.1146

■ 33.7129, 35.8407,
44.1712

■ 12.6971, 12.5392,
40.7812

■ 38.8338, 40.8857,
44.8751

■ 11.4679, 10.7042,
40.4918

■ 44.5539, 46.4058,
45.6391

■ 10.5817, 9.2490,
40.2576

■ 50.8932, 52.4143,
46.4647

■ 57.8703, 58.9240,
47.3535

■ 65.5033, 65.9470,
48.3068

■ 73.1430, 73.1517,
49.2947

Harmonies

Analogous

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



19.4544, 23.4117, 38.7938



21.7300, 23.4117, 42.4033



24.3258, 23.4117, 40.8223

Triad

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



21.7300, 23.4117, 42.4033



27.1058, 23.4117, 20.1514



18.4765, 23.4117, 18.0009

Complementary

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



21.7300, 23.4117, 42.4033



28.5004, 27.9072, 16.4555

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.



20.2997, 23.4117, 14.5782



21.7300, 23.4117, 42.4033



25.3060, 23.4117, 15.6414

Square

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



21.7300, 23.4117, 42.4033



27.5625, 23.4117, 27.0284



22.7825, 23.4117, 13.8064



17.6718, 23.4117, 24.0137

Rectangle

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



21.7300, 23.4117, 42.4033



25.8760, 23.4117, 37.1661



22.7825, 23.4117, 13.8064



18.9835, 23.4117, 16.5599

Sweetspot

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



21.7308, 23.4126, 42.4039



59.8417, 63.7038, 79.9478



24.7479, 34.1364, 28.9521



12.7742, 13.6131, 17.3420



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.



21.7308, 23.4126, 42.4039



34.4817, 36.9618, 76.1227



17.6778, 15.3067, 41.0529



7.8879, 8.3752, 10.1535



7.9290, 6.9919, 29.9762



0.2755, 0.3044, 0.8522

Inverse Universe

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



26.2092, 20.0516, 25.7825



43.9863, 30.8680, 40.6138



34.1645, 39.2354, 18.3435



8.1612, 8.0777, 9.1599



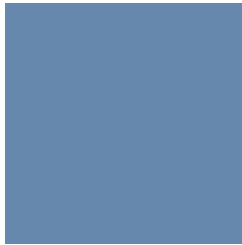
13.8658, 7.0089, 6.9390



0.4135, 0.2061, 0.3391

Previews

White Background



This preview shows how the XYZ color 21.7300, 23.4117, 42.4033 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 21.7300, 23.4117, 42.4033 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

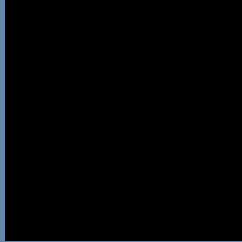
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.7300, 23.4117, 42.4033

Background



This preview shows how black text looks on a background with the XYZ color 21.7300, 23.4117, 42.4033.

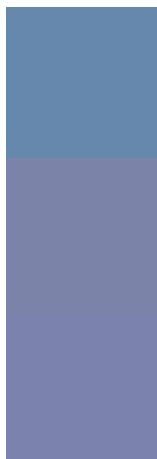


This preview shows how white text looks on a background with the XYZ color 21.7300, 23.4117,

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

21.7300, 23.4117, 42.4033

Protanopia

23.3526, 23.2707, 40.3067

Deuteranopia

23.6938, 23.1933, 42.7631



Tritanopia

19.7879, 23.4773, 32.7668

Trichromacy



Original Color

21.7300, 23.4117, 42.4033

Protanomaly

22.6192, 23.2845, 40.8383

Deuteranomaly

22.8643, 23.1645, 42.8013

Tritanomaly

20.5276, 23.5651, 36.2675

Monochromacy



Original Color

21.7300, 23.4117, 42.4033

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.1078, 22.5399, 30.0262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7300, 23.4117, 42.4033 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(102, 136, 172)` looks like.

```
.text, #text, p{  
    color:rgb(102, 136, 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(102, 136, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 136, 172) }
```

Border

The CSS property to change the border of an element to XYZ 21.7300, 23.4117, 42.4033 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(102, 136, 172) }
```


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

```
.border{ border-color:rgb(102, 136, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 136, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 136, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 136, 172);  
box-shadow:4px 4px 4px 4px rgb(102, 136,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7300, 23.4117, 42.4033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 136, 172) }
```

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

```
.background{ background-color: rgb(102,  
136, 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](#).

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