

Converting Colors

XYZ(22.1110, 23.1519, 41.7510)

Have a look what the booklet for
XYZ(22.1110, 23.1519, 41.7510)
contains.

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Color

**XYZ(22.1825, 23.2417,
41.8450)**

Conversions

Conversions Part 1

Format	Color
Hex	6D86AB
RGB	109, 134, 171
RGB Percent	43%, 53%, 67%
CMY	0.5725, 0.4745, 0.3294
CMYK	0.36, 0.22, 0.00, 0.33
HSL	216°, 27%, 55%
HSV	216°, 36%, 67%
XYZ	22.1825, 23.2417, 41.8450
YIQ	130.7430, -26.7770, 6.2070

Conversions

Conversions Part 2

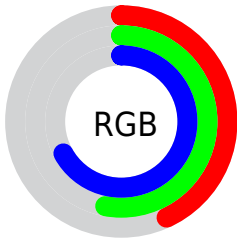
Format	Color
R _Y B	109, 127, 171
Decimal	7177899
CIE Lab	55.32, 0.43, -22.44
CIE LCh	55, 22.447, 271.087
Yxy	23.2417, 0.2542, 0.2663
Android (android.graphics.Color)	4285367979 (0xFF6D86AB)
YUV	130.7430, 19.8467, -19.0686
Hunter-Lab	48.2096, -2.2344, -17.7158




Details

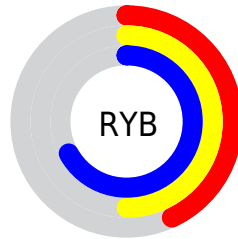
The XYZ color **22.1825, 23.2417, 41.8450** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.8343, 30.3204, 18.7489**, and the grayscale version is **21.4208, 22.5363, 24.5421**.




A 20% lighter version of the original color is **46.3981, 48.7130, 78.9086**, and **8.3232, 8.7284, 18.6988** is the 20% darker color. If you saturate the color by 10%, you get **18.9370, 19.5753, 41.3088**, and if you desaturate by 10%, it is **25.9749, 27.3931, 42.4468**.

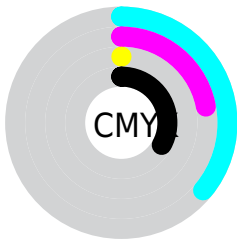
Distribution







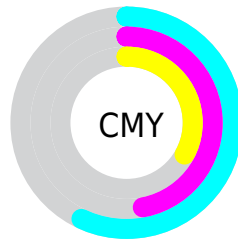
-  Red (43%)
-  Green (53%)
-  Blue (67%)






-  Red (43%)
-  Yellow (50%)
-  Blue (67%)



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



-  Cyan (57%)
-  Magenta (47%)
-  Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1825, 23.2417, 41.8450 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 22.1825, 23.2417, 41.8450 by changing the saturation by 10% instead.

■ 22.1825, 23.2417,
41.8450

■ 22.1825, 23.2417,
41.8450

256.1123,
268.9640, 369.6207

■ 14.1084, 14.7721,
28.6553

■ 46.5241, 48.7899,
79.2325

■ 8.2783, 8.6596,
18.5769

■ 63.5222, 66.6373,
104.2674

■ 4.3268, 4.5198,
11.1912

■ 84.2258, 88.3793,
134.0878

■ 1.8887, 1.9684,
6.0798

■ 109.0002,
114.4005, 169.1122

■ 0.5702, 0.5890,
2.8241

138.2106,
145.0851, 209.7591

■ 0.0000, 0.0000,
1.0055

172.2226,

■ 0.0000, 0.0000,

180.8177, 256.4472

0.0000

211.4014,
221.9825, 309.5948

■ 22.1825, 23.2417,
41.8450

■ 22.1825, 23.2417,
41.8450

■ 18.9370, 19.5753,
41.3088

■ 25.9749, 27.3931,
42.4468

■ 16.2085, 16.3712,
40.8341

■ 30.3374, 32.0456,
43.1149

■ 13.9674, 13.6089,
40.4191

■ 35.2948, 37.2175,
43.8519

■ 12.1799, 11.2645,
40.0608

■ 40.8695, 42.9254,
44.6598

■ 10.8073, 9.3117,
39.7562

■ 47.0829, 49.1854,
45.5407

■ 9.7986, 7.7170,
39.5015

■ 53.9550, 56.0124,
46.4962

■ 9.4760, 7.1907,
39.4170

■ 61.5052, 63.4212,
47.5283

■ 69.7519, 71.4256,
48.6386

■ 75.7452, 78.5091,
49.6900

Harmonies

Analogous

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



19.8326, 23.2417, 39.4791



22.1825, 23.2417, 41.8450



24.6845, 23.2417, 39.1264

Triad

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



22.1825, 23.2417, 41.8450



26.4991, 23.2417, 18.8038



18.1197, 23.2417, 19.1800

Complementary

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



22.1825, 23.2417, 41.8450



29.8343, 30.3204, 18.7489

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.



19.6850, 23.2417, 15.1967



22.1825, 23.2417, 41.8450



24.5136, 23.2417, 15.0103

Square

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



22.1825, 23.2417, 41.8450



27.2905, 23.2417, 25.0442



21.9988, 23.2417, 13.8253



17.5970, 23.2417, 25.5702

Rectangle

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



22.1825, 23.2417, 41.8450



26.0738, 23.2417, 35.0475



21.9988, 23.2417, 13.8253



18.5352, 23.2417, 17.5612

Sweetspot

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



22.1833, 23.2426, 41.8455



58.6901, 61.9613, 77.8683



25.9939, 34.4271, 32.1313



12.8309, 13.5489, 17.3266



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.



22.1833, 23.2426, 41.8455



34.7145, 35.9755, 74.1162



19.7812, 17.4670, 40.8573



7.8341, 8.2675, 10.1356



7.1923, 5.5185, 29.7306



0.2546, 0.2626, 0.8452

Inverse Universe

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



26.5670, 21.3173, 25.2696



43.9800, 32.6462, 38.9148



33.0147, 38.3194, 20.1252



8.1341, 8.0669, 9.0168



13.4940, 6.8601, 4.9808



0.4029, 0.2018, 0.2835

Previews

White Background



This preview shows how the XYZ color 22.1825, 23.2417, 41.8450 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 22.1825, 23.2417, 41.8450 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

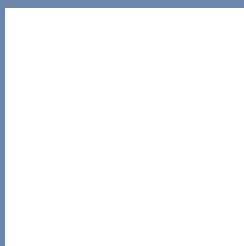
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.1825, 23.2417, 41.8450

Background



This preview shows how black text looks on a background with the XYZ color 22.1825, 23.2417, 41.8450.

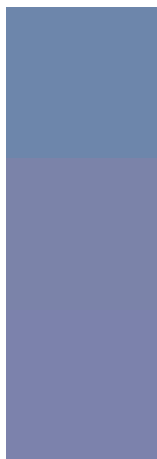


This preview shows how white text looks on a background with the XYZ color 22.1825, 23.2417,

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

22.1825, 23.2417, 41.8450

Protanopia

23.4461, 23.3081, 40.7993

Deuteranopia

23.7412, 23.2289, 42.2621



Tritanopia

20.2222, 23.2899, 31.8634

Trichromacy



Original Color

22.1825, 23.2417, 41.8450

Protanomaly

22.9782, 23.2564, 41.3081

Deuteranomaly

23.1704, 23.1331, 42.2736

Tritanomaly

20.9753, 23.3898, 35.3075

Monochromacy



Original Color

22.1825, 23.2417, 41.8450

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.6079, 22.7888, 30.4539

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1825, 23.2417, 41.8450 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(109, 134, 171)` looks like.

```
.text, #text, p{  
    color:rgb(109, 134, 171)  
}
```

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(109, 134, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 134, 171) }
```

Border

The CSS property to change the border of an element to XYZ 22.1825, 23.2417, 41.8450 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(109, 134, 171) }
```


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

```
.border{ border-color:rgb(109, 134, 171) }
```

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

Here you see how a box with a 4 pixel rgb(109, 134, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 134, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 134, 171);  
box-shadow:4px 4px 4px 4px rgb(109, 134,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1825, 23.2417, 41.8450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 134, 171) }
```

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

```
.background{ background-color: rgb(109,  
134, 171) }
```

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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