

Converting Colors

XYZ(21.6439, 22.6756, 42.9745)

Have a look what the booklet for
XYZ(21.6439, 22.6756, 42.9745)
contains.

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Color

**XYZ(21.6393, 22.7352,
42.7830)**

Conversions

Conversions Part 1

Format	Color
Hex	6885AD
RGB	104, 133, 173
RGB Percent	41%, 52%, 68%
CMY	0.5921, 0.4784, 0.3216
CMYK	0.40, 0.23, 0.00, 0.32
HSL	215°, 30%, 54%
HSV	215°, 40%, 68%
XYZ	21.6393, 22.7352, 42.7830
YIQ	128.8890, -30.1240, 6.2920

Conversions

Conversions Part 2

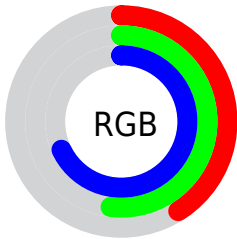
Format	Color
RYB	104, 124, 173
Decimal	6849965
CIELab	54.80, 0.14, -24.42
CIElCh	55, 24.421, 270.333
Yxy	22.7352, 0.2483, 0.2609
Android (android.graphics.Color)	4285040045 (0xFF6885AD)
YUV	128.8890, 21.7467, -21.8277
Hunter-Lab	47.6814, -2.4338, -19.8220

Details

The XYZ color **21.6393, 22.7352, 42.7830** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.7062, 29.8311, 17.2899**, and the grayscale version is **20.7619, 21.8432, 23.7872**.

A 20% lighter version of the original color is **45.6064, 47.9431, 80.9790**, and **7.9767, 8.4268, 18.9754** is the 20% darker color. If you saturate the color by 10%, you get **18.5254, 19.1884, 42.2629**, and if you desaturate by 10%, it is **25.2978, 26.7584, 43.3671**.

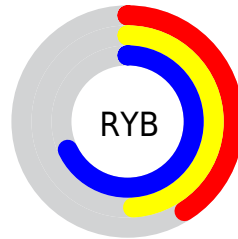
Distribution



Red (41%)

Green (52%)

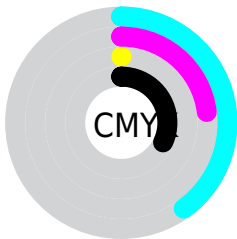
Blue (68%)



Red (41%)

Yellow (49%)

Blue (68%)

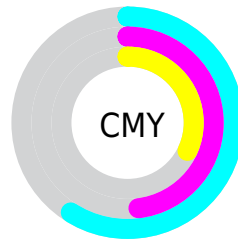


Cyan (40%)

Magenta (23%)

Yellow (0%)

Black (32%)



Cyan (59%)

Magenta (48%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6393, 22.7352, 42.7830 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 21.6393, 22.7352, 42.7830 by changing the saturation by 10% instead.

■ 21.6393, 22.7352,
42.7830

■ 21.6393, 22.7352,
42.7830

253.3247,
266.3620, 373.6136

■ 13.7072, 14.3981,
29.3848

■ 45.6324, 47.9582,
80.6661

■ 7.9977, 8.3981,
19.1240

■ 62.4242, 65.6128,
105.9881

■ 4.1452, 4.3507,
11.5822

■ 82.8998, 87.1421,
136.1217

■ 1.7846, 1.8716,
6.3408

■ 107.4248,
112.9304, 171.4855

■ 0.5084, 0.5312,
2.9813

136.3644,
143.3622, 212.4981

■ 0.0000, 0.0000,
1.0851

170.0840,

■ 0.0000, 0.0000,

178.8218, 259.5779

0.0000

208.9490,
219.6936, 313.1436

■ 21.6393, 22.7352,
42.7830

■ 21.6393, 22.7352,
42.7830

■ 18.5254, 19.1884,
42.2629

■ 25.2978, 26.7584,
43.3671

■ 15.9247, 16.0949,
41.8029

■ 29.5254, 31.2743,
44.0160

■ 13.8062, 13.4335,
41.4009

■ 34.3477, 36.3016,
44.7322

■ 12.1337, 11.1797,
41.0540

■ 39.7879, 41.8573,
45.5178

■ 10.8655, 9.3056,
40.7591

■ 45.8682, 47.9572,
46.3748

■ 9.9167, 7.7609,
40.5109

■ 52.6093, 54.6168,
47.3049

■ 9.9064, 7.7442,
40.5082

■ 60.0313, 61.8506,
48.3100

■ 68.1532, 69.6728,
49.3917

■ 75.2412, 77.1938,
50.4698

Harmonies

Analogous

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



19.1417, 22.7352, 40.0394



21.6393, 22.7352, 42.7830



24.3365, 22.7352, 39.9205

Triad

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



21.6393, 22.7352, 42.7830



26.4032, 22.7352, 17.9838



17.4074, 22.7352, 18.1050

Complementary

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



21.6393, 22.7352, 42.7830



29.7062, 29.8311, 17.2899

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.



19.0936, 22.7352, 14.0179



21.6393, 22.7352, 42.7830



24.2800, 22.7352, 13.9588

Square

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



21.6393, 22.7352, 42.7830



27.2232, 22.7352, 24.6685



21.5790, 22.7352, 12.6714



16.8254, 22.7352, 24.8412

Rectangle

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



21.6393, 22.7352, 42.7830



25.8537, 22.7352, 35.5016



21.5790, 22.7352, 12.6714



17.8566, 22.7352, 16.4303

Sweetspot

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



21.6401, 22.7361, 42.7835



59.4075, 62.8354, 79.8031



25.6187, 34.8170, 31.3972



12.6712, 13.4071, 17.3077



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.



21.6401, 22.7361, 42.7835



33.7160, 34.9897, 75.7824



18.7516, 16.1446, 41.6635



7.8452, 8.2897, 10.1393



7.3317, 5.7973, 29.7771



0.2588, 0.2710, 0.8467

Inverse Universe

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



26.4182, 20.4792, 24.7516



43.7074, 31.1684, 37.8752



33.6766, 39.2559, 18.8999



8.1397, 8.0691, 9.0462



13.5644, 6.8883, 5.3513



0.4051, 0.2027, 0.2948

Previews

White Background



This preview shows how the XYZ color 21.6393, 22.7352, 42.7830 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 21.6393, 22.7352, 42.7830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

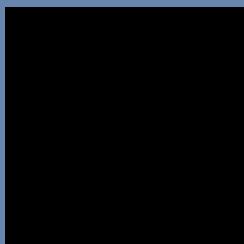
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

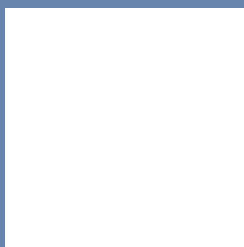
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.6393, 22.7352, 42.7830

Background



This preview shows how black text looks on a background with the XYZ color 21.6393, 22.7352, 42.7830.



This preview shows how white text looks on a background with the XYZ color 21.6393, 22.7352,

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

21.6393, 22.7352, 42.7830

Protanopia

22.8517, 22.5959, 41.1872

Deuteranopia

23.2360, 22.7496, 43.2108



Tritanopia

19.3280, 22.6261, 31.3656

Trichromacy



Original Color

21.6393, 22.7352, 42.7830

Protanomaly

22.2727, 22.4829, 41.6938

Deuteranomaly

22.5620, 22.5987, 43.2172

Tritanomaly

20.1455, 22.7520, 35.2281

Monochromacy



Original Color

21.6393, 22.7352, 42.7830

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.8392, 22.0027, 29.9367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6393, 22.7352, 42.7830 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(104, 133, 173)` looks like.

```
.text, #text, p{  
    color:rgb(104, 133, 173)  
}
```

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(104, 133, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 133, 173) }
```

Border

The CSS property to change the border of an element to XYZ 21.6393, 22.7352, 42.7830 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(104, 133, 173) }
```


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

```
.border{ border-color:rgb(104, 133, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 133, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 133, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 133, 173);  
box-shadow:4px 4px 4px 4px rgb(104, 133,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6393, 22.7352, 42.7830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 133, 173) }
```

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

```
.background{ background-color: rgb(104,  
133, 173) }
```

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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