

Converting Colors

XYZ(21.6787, 22.3861, 41.2086)

Have a look what the booklet for
XYZ(21.6787, 22.3861, 41.2086)
contains.

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Color

**XYZ(21.6787, 22.3861,
41.2086)**

Conversions

Conversions Part 1

Format	Color
Hex	6D83AA
RGB	109, 131, 170
RGB Percent	43%, 51%, 67%
CMY	0.5725, 0.4863, 0.3333
CMYK	0.36, 0.23, 0.00, 0.33
HSL	218°, 26%, 55%
HSV	218°, 36%, 67%
XYZ	21.6787, 22.3861, 41.2086
YIQ	128.8680, -25.6310, 7.4650

Conversions

Conversions Part 2

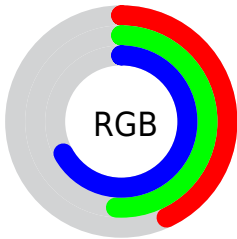
Format	Color
RYB	109, 125, 170
Decimal	7177130
CIELab	54.43, 1.90, -23.23
CIElCh	54, 23.307, 274.669
Yxy	22.3861, 0.2542, 0.2625
Android (android.graphics.Color)	4285367210 (0xFF6D83AA)
YUV	128.8680, 20.2781, -17.4242
Hunter-Lab	47.3140, -1.0128, -18.5195

Details

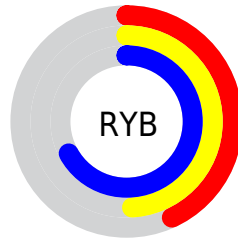
The XYZ color **21.6787, 22.3861, 41.2086** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **29.9283, 30.8305, 18.8423**, and the grayscale version is **20.7584, 21.8395, 23.7832**.

A 20% lighter version of the original color is **45.6314, 47.3986, 77.9780**, and **8.0322, 8.2421, 18.3071** is the 20% darker color. If you saturate the color by 10%, you get **18.4022, 18.6429, 40.6592**, and if you desaturate by 10%, it is **25.5143, 26.6459, 41.8291**.

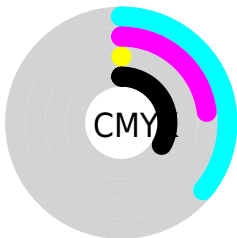
Distribution



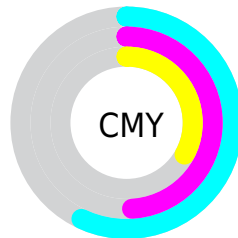
- Red (43%)
- Green (51%)
- Blue (67%)



- Red (43%)
- Yellow (49%)
- Blue (67%)



- Cyan (36%)
- Magenta (23%)
- Yellow (0%)
- Black (33%)



- Cyan (57%)
- Magenta (49%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6787, 22.3861, 41.2086 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 21.6787, 22.3861, 41.2086 by changing the saturation by 10% instead.

■ 21.6787, 22.3861,
41.2086

■ 21.6787, 22.3861,
41.2086

253.5278,
264.5560, 366.8941

■ 13.7363, 14.1409,
28.1612

■ 45.6972, 47.3833,
78.2576

■ 8.0179, 8.2187,
18.2071

■ 62.5040, 64.9041,
103.0962

■ 4.1583, 4.2352,
10.9278

■ 82.9963, 86.2855,
132.7023

■ 1.7921, 1.8060,
5.9047

■ 107.5394,
111.9120, 167.4945

■ 0.5129, 0.4909,
2.7194

136.4988,
142.1678, 207.8912

■ 0.0000, 0.0000,
0.9532

170.2398,

■ 0.0000, 0.0000,

177.4375, 254.3110

0.0000

209.1276,
218.1055, 307.1725

■ 21.6787, 22.3861,
41.2086

■ 21.6787, 22.3861,
41.2086

■ 18.4022, 18.6429,
40.6592

■ 25.5143, 26.6459,
41.8291

■ 15.6546, 15.3921,
40.1765

■ 29.9327, 31.4397,
42.5215

■ 13.4057, 12.6116,
39.7584

■ 34.9592, 36.7874,
43.2888

■ 11.6214, 10.2758,
39.4016

■ 40.6165, 42.7068,
44.1332

■ 10.2626, 8.3566,
39.1027

■ 46.9263, 49.2152,
45.0568

■ 9.2794, 6.8194,
38.8578

■ 53.9093, 56.3288,
46.0619

■ 8.9413, 6.2733,
38.7702

■ 61.5850, 64.0633,
47.1502

■ 69.9724, 72.4339,
48.3238

■ 76.4658, 80.1024,
49.4618

Harmonies

Analogous

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



19.2488, 22.3861, 39.3872



21.6787, 22.3861, 41.2086



24.1883, 22.3861, 37.8350

Triad

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



21.6787, 22.3861, 41.2086



25.5674, 22.3861, 17.2313



17.1484, 22.3861, 18.8497

Complementary

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



21.6787, 22.3861, 41.2086



29.9283, 30.8305, 18.8423

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.



18.6098, 22.3861, 14.5583



21.6787, 22.3861, 41.2086



23.4435, 22.3861, 13.7630

Square

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



21.6787, 22.3861, 41.2086



26.5446, 22.3861, 23.2500



20.8809, 22.3861, 12.8920



16.7574, 22.3861, 25.5350

Rectangle

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



21.6787, 22.3861, 41.2086



25.5308, 22.3861, 33.4248



20.8809, 22.3861, 12.8920



17.5246, 22.3861, 17.1261

Sweetspot

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



21.6794, 22.3870, 41.2091



58.4388, 61.4586, 77.7845



25.9984, 34.1277, 33.0828



12.7690, 13.4251, 17.3060



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.



21.6794, 22.3870, 41.2091



34.5565, 35.1769, 73.9704



20.0791, 17.6315, 40.3756



7.3450, 7.7269, 9.5227



6.6261, 4.7124, 28.5358



0.2097, 0.2117, 0.7104

Inverse Universe

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



26.1436, 21.1228, 24.1728



44.0181, 33.1124, 37.7248



32.0088, 37.5215, 20.0241



7.6387, 7.5854, 8.4148



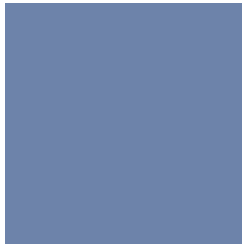
12.8452, 6.5468, 3.9962



0.3370, 0.1691, 0.2262

Previews

White Background



This preview shows how the XYZ color 21.6787, 22.3861, 41.2086 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 21.6787, 22.3861, 41.2086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

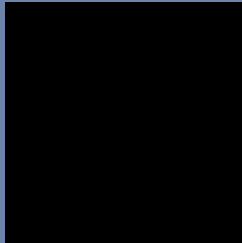
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.6787, 22.3861, 41.2086

Background



This preview shows how black text looks on a background with the XYZ color 21.6787, 22.3861, 41.2086.



This preview shows how white text looks on a background with the XYZ color 21.6787, 22.3861,

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

21.6787, 22.3861, 41.2086

Protanopia

22.3948, 22.1874, 40.1481

Deuteranopia

22.8156, 22.3717, 41.6437



Tritanopia

19.4458, 22.2868, 30.4710

Trichromacy



Original Color

21.6787, 22.3861, 41.2086

Protanomaly

22.0819, 22.2099, 40.6592

Deuteranomaly

22.4034, 22.3538, 41.6620

Tritanomaly

20.2672, 22.4200, 34.2696

Monochromacy



Original Color

21.6787, 22.3861, 41.2086

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.0427, 22.1165, 29.5454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6787, 22.3861, 41.2086 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, 131, 170)` looks like.

```
.text, #text, p{  
    color:rgb(109, 131, 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(109, 131, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 131, 170) }
```

Border

The CSS property to change the border of an element to XYZ 21.6787, 22.3861, 41.2086 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, 131, 170) }
```


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

```
.border{ border-color:rgb(109, 131, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 131, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 131, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 131, 170);  
box-shadow:4px 4px 4px 4px rgb(109, 131,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6787, 22.3861, 41.2086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 131, 170) }
```

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

```
.background{ background-color: rgb(109,  
131, 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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