

Converting Colors

XYZ(21.0186, 22.7585, 42.4663)

Have a look what the booklet for
XYZ(21.0186, 22.7585, 42.4663)
contains.

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Color

**XYZ(21.0401, 22.8479,
42.3309)**

Conversions

Conversions Part 1

Format	Color
Hex	6187AC
RGB	97, 135, 172
RGB Percent	38%, 53%, 67%
CMY	0.6196, 0.4706, 0.3255
CMYK	0.44, 0.22, 0.00, 0.33
HSL	210°, 31%, 53%
HSV	210°, 44%, 67%
XYZ	21.0401, 22.8479, 42.3309
YIQ	127.8560, -34.5250, 3.4510

Conversions

Conversions Part 2

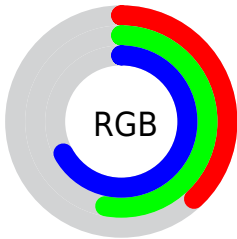
Format	Color
R_{YB}	97, 122, 172
Decimal	6391724
CIE _{Lab}	54.92, -3.21, -23.70
CIE _{LCh}	55, 23.918, 262.297
Yxy	22.8479, 0.2440, 0.2650
Android (android.graphics.Color)	4284581804 (0xFF6187AC)
YUV	127.8560, 21.7630, -27.0607
Hunter-Lab	47.7995, -5.0780, -19.0472

Details

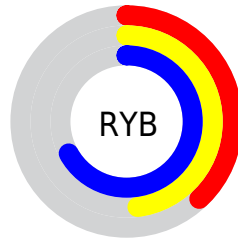
The XYZ color **21.0401, 22.8479, 42.3309** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.6965, 26.6844, 15.0008**, and the grayscale version is **20.4041, 21.4667, 23.3773**.

A 20% lighter version of the original color is **44.7493, 48.1472, 80.3336**, and **7.6774, 8.3885, 18.9838** is the 20% darker color. If you saturate the color by 10%, you get **18.2653, 19.7298, 41.8757**, and if you desaturate by 10%, it is **24.3082, 26.3613, 42.8372**.

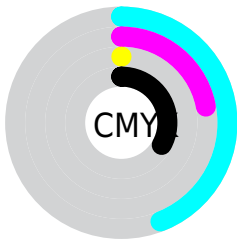
Distribution



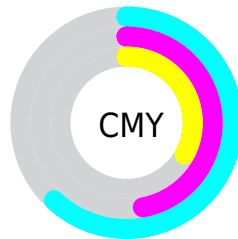
- Red (38%)
- Green (53%)
- Blue (67%)



- Red (38%)
- Yellow (48%)
- Blue (67%)



- Cyan (44%)
- Magenta (22%)
- Yellow (0%)
- Black (33%)



- Cyan (62%)
- Magenta (47%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0401, 22.8479, 42.3309 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 21.0401, 22.8479, 42.3309 by changing the saturation by 10% instead.

■ 21.0401, 22.8479,
42.3309

■ 21.0401, 22.8479,
42.3309

250.2192,
266.9428, 371.6929

■ 13.2659, 14.4812,
29.0330

■ 44.6450, 48.1435,
79.9757

■ 7.6902, 8.4561,
18.8600

■ 61.2065, 65.8411,
105.1596

■ 3.9475, 4.3882,
11.3934

■ 81.4278, 87.4180,
135.1426

■ 1.6725, 1.8930,
6.2146

■ 105.6743,
113.2583, 170.3433

■ 0.4389, 0.5442,
2.9051

134.3114,
143.7466, 211.1801

■ 0.0000, 0.0000,
1.0464

167.7043,

■ 0.0000, 0.0000,

179.2671, 258.0716

0.0000

206.2184,
220.2044, 311.4363

■ 21.0401, 22.8479,
42.3309

■ 21.0401, 22.8479,
42.3309

■ 18.2653, 19.7298,
41.8757

■ 24.3082, 26.3613,
42.8372

■ 15.9533, 16.9867,
41.4681

■ 28.0929, 30.2838,
43.3949

■ 14.0736, 14.6000,
41.1065

■ 32.4190, 34.6316,
44.0061

■ 12.5906, 12.5476,
40.7885

■ 37.3086, 39.4192,
44.6725

■ 11.4618, 10.8043,
40.5115

■ 42.7826, 44.6601,
45.3955

■ 10.8667, 9.8191,
40.3527

■ 48.8610, 50.3675,
46.1768

■ 55.5625, 56.5537,
47.0176

■ 62.9053, 63.2306,
47.9194

■ 70.9064, 70.4098,
48.8834

Harmonies

Analogous

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



18.7455, 22.8479, 38.3083



21.0401, 22.8479, 42.3309



23.7083, 22.8479, 40.9775

Triad

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



21.0401, 22.8479, 42.3309



26.7825, 22.8479, 19.7393



17.9275, 22.8479, 16.9745

Complementary

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



21.0401, 22.8479, 42.3309



27.6965, 26.6844, 15.0008

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.



19.8390, 22.8479, 13.6670



21.0401, 22.8479, 42.3309



24.9854, 22.8479, 15.0221

Square

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



21.0401, 22.8479, 42.3309



27.1698, 22.8479, 26.8861



22.4067, 22.8479, 13.0332



17.0462, 22.8479, 22.9715

Rectangle

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



21.0401, 22.8479, 42.3309



25.3307, 22.8479, 37.3140



22.4067, 22.8479, 13.0332



18.4631, 22.8479, 15.5659

Sweetspot

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



21.0409, 22.8488, 42.3314



59.1223, 63.1335, 79.8757



23.9338, 33.7473, 27.5341



12.4619, 13.3362, 17.3050



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.



21.0409, 22.8488, 42.3314



33.4467, 36.1506, 76.0207



16.7679, 14.3029, 40.9071



7.9017, 8.4028, 10.1581



8.1416, 7.4171, 30.0470



0.2812, 0.3157, 0.8541

Inverse Universe

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



25.6617, 19.0700, 25.2509



43.1566, 29.3597, 39.8716



33.6871, 38.6657, 16.9977



8.1682, 8.0805, 9.1965



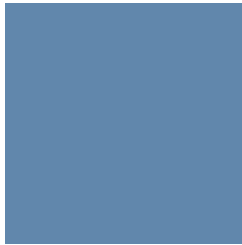
13.9731, 7.0518, 7.5040



0.4163, 0.2072, 0.3541

Previews

White Background



This preview shows how the XYZ color 21.0401, 22.8479, 42.3309 looks on a white background.

Color Contrast Check

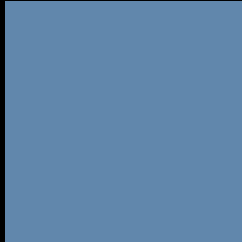
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0401, 22.8479, 42.3309 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

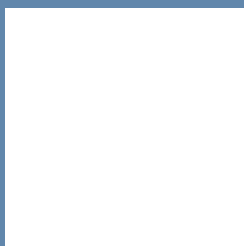
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0401, 22.8479, 42.3309

Background



This preview shows how black text looks on a background with the XYZ color 21.0401, 22.8479, 42.3309.

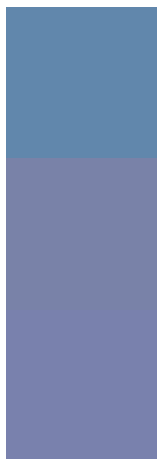


This preview shows how white text looks on a background with the XYZ color 21.0401, 22.8479,

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

21.0401, 22.8479, 42.3309

Protanopia

22.9357, 22.8574, 40.2489

Deuteranopia

23.2782, 22.7826, 42.7057



Tritanopia

19.0520, 22.8914, 32.2685

Trichromacy



Original Color

21.0401, 22.8479, 42.3309

Protanomaly

22.0948, 22.8118, 40.7747

Deuteranomaly

22.3412, 22.6945, 42.7381

Tritanomaly

19.7742, 22.9727, 35.7397

Monochromacy



Original Color

21.0401, 22.8479, 42.3309

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.4865, 22.0281, 29.5577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0401, 22.8479, 42.3309 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(97, 135, 172)` looks like.

```
.text, #text, p{  
    color:rgb(97, 135, 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(97, 135, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 135, 172) }
```

Border

The CSS property to change the border of an element to XYZ 21.0401, 22.8479, 42.3309 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(97, 135, 172) }
```


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

```
.border{ border-color:rgb(97, 135, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 135, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 135, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 135, 172);  
box-shadow:4px 4px 4px 4px rgb(97, 135,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0401, 22.8479, 42.3309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 135, 172) }
```

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

```
.background{ background-color: rgb(97, 135,  
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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