

Converting Colors

XYZ(21.0073, 24.4091, 48.0332)

Have a look what the booklet for
XYZ(21.0073, 24.4091, 48.0332)
contains.

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Color

**XYZ(21.0136, 24.4388,
47.8656)**

Conversions

Conversions Part 1

Format	Color
Hex	498FB6
RGB	73, 143, 182
RGB Percent	29%, 56%, 71%
CMY	0.7137, 0.4392, 0.2863
CMYK	0.60, 0.21, 0.00, 0.29
HSL	201°, 43%, 50%
HSV	201°, 60%, 71%
XYZ	21.0136, 24.4388, 47.8656
YIQ	126.5160, -54.2390, -2.7110

Conversions

Conversions Part 2

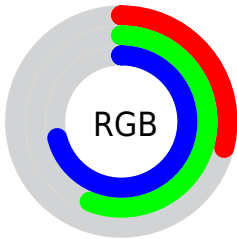
Format	Color
R_{YB}	73, 116, 182
Decimal	4820918
CIE _{Lab}	56.52, -10.27, -27.03
CIE _{LCh}	57, 28.915, 249.198
Yxy	24.4388, 0.2252, 0.2619
Android (android.graphics.Color)	4283010998 (0xFF498FB6)
YUV	126.5160, 27.3536, -46.9335
Hunter-Lab	49.4356, -10.6373, -22.8021

Details

The XYZ color **21.0136, 24.4388, 47.8656** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **26.2890, 22.0155, 9.1681**, and the grayscale version is **19.9307, 20.9686, 22.8348**.

A 20% lighter version of the original color is **44.6048, 50.8514, 88.3533**, and **7.8768, 9.4137, 22.1707** is the 20% darker color. If you saturate the color by 10%, you get **18.8818, 21.9309, 47.4943**, and if you desaturate by 10%, it is **23.6072, 27.2700, 48.2758**.

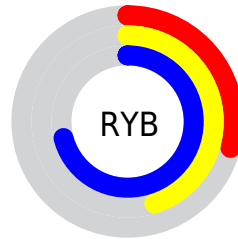
Distribution



Red (29%)

Green (56%)

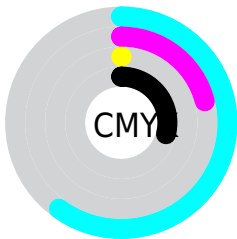
Blue (71%)



Red (29%)

Yellow (45%)

Blue (71%)

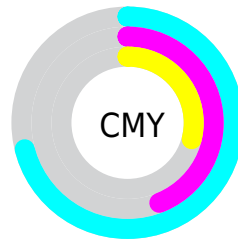


Cyan (60%)

Magenta (21%)

Yellow (0%)

Black (29%)



Cyan (71%)

Magenta (44%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0136, 24.4388, 47.8656 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 21.0136, 24.4388, 47.8656 by changing the saturation by 10% instead.

■ 21.0136, 24.4388,
47.8656

■ 21.0136, 24.4388,
47.8656

250.0811,
275.0315, 394.7525

■ 13.2465, 15.6594,
33.3612

■ 44.6013, 50.7453,
88.3677

■ 7.6766, 9.2835,
22.1299

■ 61.1525, 69.0413,
115.2026

■ 3.9388, 4.9266,
13.7532

■ 81.3625, 91.2782,
146.9846

■ 1.6676, 2.2042,
7.8124

■ 105.5966,
117.8405, 184.1325

■ 0.4358, 0.7223,
3.8891

■ 134.2202,
149.1126, 227.0647

■ 0.0000, 0.0000,
1.5647

167.5985,

■ 0.0000, 0.0000,

185.4789, 276.1997

0.2654

206.0970,
227.3237, 331.9561

■ 0.0000, 0.0000,
0.0000

■ 21.0136, 24.4388,
47.8656

■ 21.0136, 24.4388,
47.8656

■ 18.8818, 21.9309,
47.4943

■ 23.6072, 27.2700,
48.2758

■ 17.1722, 19.7229,
47.1583

■ 26.6931, 30.4401,
48.7251

■ 15.8416, 17.7918,
46.8557

■ 30.3018, 33.9668,
49.2156

■ 14.8021, 16.0907,
46.5821

■ 34.4604, 37.8652,
49.7489

■ 14.7910, 16.0723,
46.5791

■ 39.1942, 42.1498,
50.3264

■ 44.5268, 46.8339,
50.9495

■ 50.4803, 51.9302,
51.6194

■ 57.0757, 57.4507,
52.3373

■ 64.3331, 63.4070,
53.1045

Harmonies

Analogous

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



18.5827, 24.4388, 40.0647



21.0136, 24.4388, 47.8656



24.2740, 24.4388, 49.3086

Triad

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



21.0136, 24.4388, 47.8656



30.1898, 24.4388, 23.7666



19.3881, 24.4388, 14.7144

Complementary

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



21.0136, 24.4388, 47.8656



26.2890, 22.0155, 9.1681

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.



22.2132, 24.4388, 12.2302



21.0136, 24.4388, 47.8656



28.5902, 24.4388, 16.5649

Square

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



21.0136, 24.4388, 47.8656



29.7899, 24.4388, 33.7187



25.5935, 24.4388, 12.8146



17.7088, 24.4388, 20.5775

Rectangle

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



21.0136, 24.4388, 47.8656



26.5168, 24.4388, 46.1960



25.5935, 24.4388, 12.8146



20.2237, 24.4388, 13.5292

Sweetspot

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



21.0144, 24.4397, 47.8662



63.7637, 69.8309, 90.3537



22.3539, 36.0240, 20.8585



13.5652, 14.9467, 19.8916



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.0144, 24.4397, 47.8662



33.1183, 38.3682, 85.8960



14.7936, 11.9980, 45.7926



8.9891, 9.6553, 11.4693



10.5097, 11.4791, 32.9148



0.4267, 0.5171, 1.1791

Inverse Universe

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



26.6326, 16.6942, 27.8061



44.7890, 25.1107, 43.5897



34.0673, 37.5722, 11.7609



9.2408, 9.1067, 10.6156



15.9185, 7.9412, 12.7235



0.5896, 0.2913, 0.5980

Previews

White Background



This preview shows how the XYZ color 21.0136, 24.4388, 47.8656 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 21.0136, 24.4388, 47.8656 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

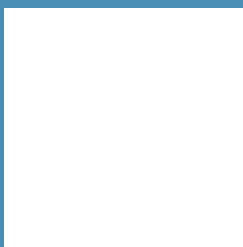
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0136, 24.4388, 47.8656

Background



This preview shows how black text looks on a background with the XYZ color 21.0136, 24.4388, 47.8656.

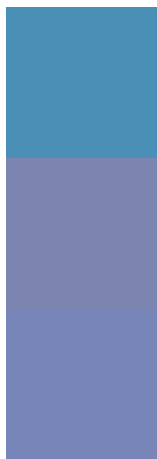


This preview shows how white text looks on a background with the XYZ color 21.0136, 24.4388,

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

21.0136, 24.4388, 47.8656

Protanopia

24.4376, 24.1553, 43.9319

Deuteranopia

24.7850, 24.2288, 48.7177



Tritanopia

18.7416, 24.4274, 36.5281

Trichromacy



Original Color

21.0136, 24.4388, 47.8656

Protanomaly

22.8072, 24.1089, 45.5709

Deuteranomaly

23.0864, 24.1938, 48.2528

Tritanomaly

19.5687, 24.5411, 40.2647

Monochromacy



Original Color

21.0136, 24.4388, 47.8656

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.7174, 22.0074, 30.8124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0136, 24.4388, 47.8656 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(73, 143, 182)` looks like.

```
.text, #text, p{  
    color:rgb(73, 143, 182)  
}
```

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(73, 143, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 143, 182) }
```

Border

The CSS property to change the border of an element to XYZ 21.0136, 24.4388, 47.8656 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(73, 143, 182) }
```


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

```
.border{ border-color:rgb(73, 143, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 143, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 143, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 143, 182);  
box-shadow:4px 4px 4px 4px rgb(73, 143,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0136, 24.4388, 47.8656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 143, 182) }
```

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

```
.background{ background-color: rgb(73, 143,  
182) }
```

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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