

Converting Colors

XYZ(21.7451, 25.6450, 46.9839)

Have a look what the booklet for
XYZ(21.7451, 25.6450, 46.9839)
contains.

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Color

**XYZ(21.8138, 25.7824,
47.0068)**

Conversions

Conversions Part 1

Format	Color
Hex	4E93B4
RGB	78, 147, 180
RGB Percent	31%, 58%, 71%
CMY	0.6941, 0.4235, 0.2941
CMYK	0.57, 0.18, 0.00, 0.29
HSL	199°, 40%, 51%
HSV	199°, 57%, 71%
XYZ	21.8138, 25.7824, 47.0068
YIQ	130.1310, -51.7170, -4.3650

Conversions

Conversions Part 2

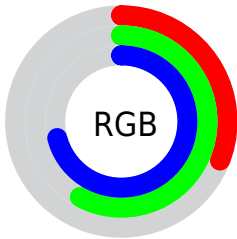
Format	Color
R _Y B	78, 119, 180
Decimal	5149620
CIE Lab	57.83, -12.11, -23.86
CIE LCh	58, 26.760, 243.103
Yxy	25.7824, 0.2306, 0.2725
Android (android.graphics.Color)	4283339700 (0xFF4E93B4)
YUV	130.1310, 24.5854, -45.7189
Hunter-Lab	50.7764, -12.1741, -19.3449

Details

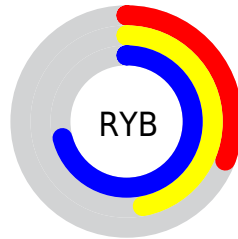
The XYZ color **21.8138, 25.7824, 47.0068** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **25.8827, 21.6232, 10.0182**, and the grayscale version is **21.1941, 22.2978, 24.2823**.

A 20% lighter version of the original color is **46.0186, 52.9803, 87.1577**, and **8.0387, 9.9110, 21.5680** is the 20% darker color. If you saturate the color by 10%, you get **19.6533, 23.3586, 46.6533**, and if you desaturate by 10%, it is **24.4254, 28.5079, 47.3957**.

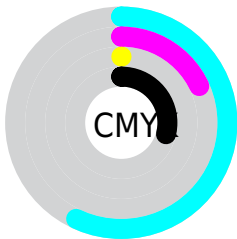
Distribution



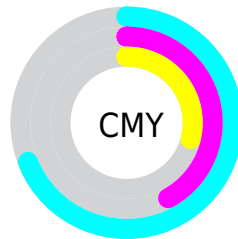
- Red (31%)
- Green (58%)
- Blue (71%)



- Red (31%)
- Yellow (47%)
- Blue (71%)



- Cyan (57%)
- Magenta (18%)
- Yellow (0%)
- Black (29%)



- Cyan (69%)
- Magenta (42%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8138, 25.7824, 47.0068 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 21.8138, 25.7824, 47.0068 by changing the saturation by 10% instead.

■ 21.8138, 25.7824,
47.0068

■ 21.8138, 25.7824,
47.0068

254.2230,
281.7123, 391.2362

■ 13.8360, 16.6609,
32.6866

■ 45.9192, 52.9237,
87.0739

■ 8.0876, 9.9930,
21.6174

■ 62.7775, 71.7123,
113.6578

■ 4.2033, 5.3943,
13.3804

■ 83.3267, 94.4921,
145.1669

■ 1.8178, 2.4804,
7.5572

■ 107.9321,
121.6474, 182.0194

■ 0.5284, 0.8668,
3.7293

■ 136.9590,
153.5627, 224.6341

■ 0.0000, 0.0000,
1.4780

170.7730,

■ 0.0000, 0.0000,

190.6223, 273.4295

0.2015

209.7392,
233.2107, 328.8240

■ 0.0000, 0.0000,
0.0000

■ 21.8138, 25.7824,
47.0068

■ 21.8138, 25.7824,
47.0068

■ 19.6533, 23.3586,
46.6533

■ 24.4254, 28.5079,
47.3957

■ 17.9069, 21.2149,
46.3316

■ 27.5163, 31.5489,
47.8198

■ 16.5356, 19.3305,
46.0401

■ 31.1151, 34.9218,
48.2811

■ 15.4846, 17.6763,
45.7762

■ 35.2473, 38.6406,
48.7811

■ 15.1691, 17.1568,
45.6926

■ 39.9368, 42.7185,
49.3211

■ 45.2057, 47.1679,
49.9022

■ 51.0752, 52.0005,
50.5256

■ 57.5650, 57.2274,
51.1925

■ 64.6943, 62.8593,
51.9038

Harmonies

Analogous

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



19.6831, 25.7824, 38.8943



21.8138, 25.7824, 47.0068



24.8415, 25.7824, 49.7216

Triad

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



21.8138, 25.7824, 47.0068



31.2110, 25.7824, 27.1253



21.2819, 25.7824, 15.7002

Complementary

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



21.8138, 25.7824, 47.0068



25.8827, 21.6232, 10.0182

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.



24.1723, 25.7824, 13.8455



21.8138, 25.7824, 47.0068



30.0572, 25.7824, 19.4712

Square

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



21.8138, 25.7824, 47.0068



30.4422, 25.7824, 36.8679



27.4098, 25.7824, 15.0587



19.3954, 25.7824, 20.8009

Rectangle

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



21.8138, 25.7824, 47.0068



27.0119, 25.7824, 47.7089



27.4098, 25.7824, 15.0587



22.1589, 25.7824, 14.7340

Sweetspot

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



21.8147, 25.7833, 47.0074



63.4114, 69.6214, 88.3907



22.2948, 35.3952, 20.4956



13.3730, 14.7520, 19.0648



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.8147, 25.7833, 47.0074



34.7760, 41.3359, 84.4403



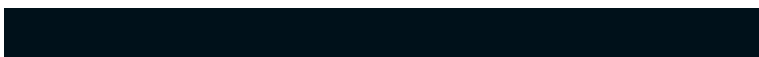
15.6280, 13.4100, 44.9452



8.5063, 9.1587, 10.8258



10.6499, 12.1002, 31.9112



0.3853, 0.4811, 1.0208

Inverse Universe

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



26.8140, 17.2595, 29.5228



45.1960, 26.0545, 47.4401



32.9956, 35.8488, 12.3891



8.7307, 8.5990, 10.0805



15.6102, 7.7616, 13.6393



0.5165, 0.2543, 0.5625

Previews

White Background



This preview shows how the XYZ color 21.8138, 25.7824, 47.0068 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 21.8138, 25.7824, 47.0068 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 21.8138, 25.7824, 47.0068

Background



This preview shows how black text looks on a background with the XYZ color 21.8138, 25.7824, 47.0068.

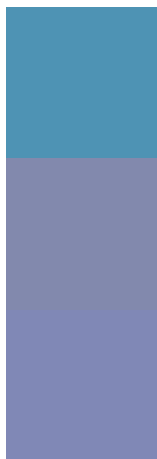


This preview shows how white text looks on a background with the XYZ color 21.8138, 25.7824,

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

21.8138, 25.7824, 47.0068

Protanopia

25.6944, 25.6543, 43.1327

Deuteranopia

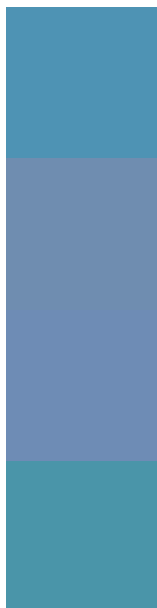
26.1497, 25.5749, 47.8142



Tritanopia

20.0265, 25.7609, 38.0993

Trichromacy



Original Color

21.8138, 25.7824, 47.0068

Protanomaly

23.9169, 25.5638, 44.7481

Deuteranomaly

24.1490, 25.4074, 47.3474

Tritanomaly

20.7329, 25.8153, 41.4262

Monochromacy



Original Color

21.8138, 25.7824, 47.0068

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.7050, 23.1259, 31.3895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8138, 25.7824, 47.0068 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(78, 147, 180)` looks like.

```
.text, #text, p{  
    color:rgb(78, 147, 180)  
}
```

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(78, 147, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 147, 180) }
```

Border

The CSS property to change the border of an element to XYZ 21.8138, 25.7824, 47.0068 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(78, 147, 180) }
```


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

```
.border{ border-color:rgb(78, 147, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 147, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 147, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 147, 180);  
box-shadow:4px 4px 4px 4px rgb(78, 147,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8138, 25.7824, 47.0068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 147, 180) }
```

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

```
.background{ background-color: rgb(78, 147,  
180) }
```

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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