

Converting Colors

XYZ(12.5045, 14.1404, 21.9733)

Have a look what the booklet for
XYZ(12.5045, 14.1404, 21.9733)
contains.

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Color

**XYZ(12.4590, 14.1059,
21.8047)**

Conversions

Conversions Part 1

Format	Color
Hex	4F6D7E
RGB	79, 109, 126
RGB Percent	31%, 43%, 49%
CMY	0.6902, 0.5725, 0.5059
CMYK	0.37, 0.13, 0.00, 0.51
HSL	202°, 23%, 40%
HSV	202°, 37%, 49%
XYZ	12.4590, 14.1059, 21.8047
YIQ	101.9680, -23.3370, -1.0730

Conversions

Conversions Part 2

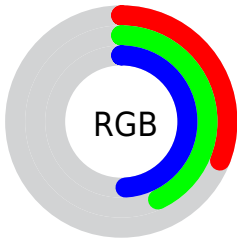
Format	Color
R_{YB}	79, 97, 126
Decimal	5205374
CIE Lab	44.38, -6.29, -12.90
CIE LCh	44, 14.350, 244.018
Yxy	14.1059, 0.2576, 0.2916
Android (android.graphics.Color)	4283395454 (0xFF4F6D7E)
YUV	101.9680, 11.8478, -20.1429
Hunter-Lab	37.5578, -6.5127, -8.1311

Details

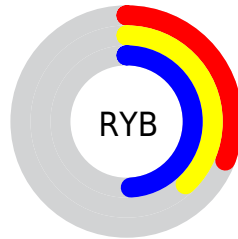
The XYZ color **12.4590, 14.1059, 21.8047** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.1986, 13.3662, 9.2292**, and the grayscale version is **12.5957, 13.2517, 14.4311**.

A 20% lighter version of the original color is **29.9134, 33.1421, 47.4683**, and **3.6273, 4.2724, 7.6547** is the 20% darker color. If you saturate the color by 10%, you get **11.0351, 12.6691, 21.6027**, and if you desaturate by 10%, it is **14.1077, 15.6967, 22.0251**.

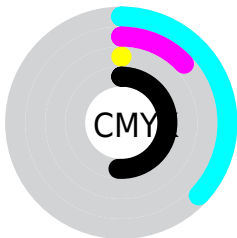
Distribution



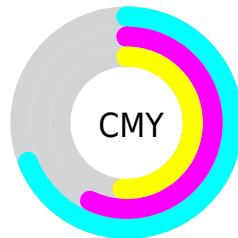
- Red (31%)
- Green (43%)
- Blue (49%)



- Red (31%)
- Yellow (38%)
- Blue (49%)



- Cyan (37%)
- Magenta (13%)
- Yellow (0%)
- Black (51%)



- Cyan (69%)
- Magenta (57%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4590, 14.1059, 21.8047 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 12.4590, 14.1059, 21.8047 by changing the saturation by 10% instead.

■ 12.4590, 14.1059,
21.8047

■ 12.4590, 14.1059,
21.8047

201.1292,
217.8886, 274.4448

■ 7.1315, 8.1944,
13.5165

■ 29.9380, 33.2768,
47.3210

■ 3.5915, 4.2196,
7.6503

■ 42.8203, 47.3050,
65.3863

■ 1.4738, 1.7971,
3.7875

■ 58.9515, 64.8075,
87.5476

■ 0.3079, 0.4854,
1.5095

■ 78.6970, 86.1687,
114.2236

■ 0.0000, 0.0000,
0.2250

■ 102.4221,
111.7730, 145.8328

■ 0.0000, 0.0000,
0.0000

130.4923,

142.0048, 182.7937

163.2729,
177.2486, 225.5249

■ 12.4590, 14.1059,
21.8047

■ 12.4590, 14.1059,
21.8047

■ 11.0351, 12.6691,
21.6027

■ 14.1077, 15.6967,
22.0251

■ 9.8231, 11.3780,
21.4173

■ 15.9906, 17.4459,
22.2635

■ 8.8105, 10.2260,
21.2483

■ 18.1181, 19.3598,
22.5208

■ 7.9832, 9.2052,
21.0949

■ 20.4997, 21.4436,
22.7975

■ 7.3247, 8.3066,
20.9562

■ 23.1443, 23.7026,
23.0941

■ 6.8001, 7.5115,
20.8304

■ 26.0603, 26.1416,
23.4112

■ 6.6660, 7.3066,
20.7979

■ 29.2558, 28.7651,
23.7492

■ 32.7384, 31.5778,
24.1085

■ 36.5155, 34.5838,
24.4897

Harmonies

Analogous

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



11.6519, 14.1059, 19.1931



12.4590, 14.1059, 21.8047



13.5632, 14.1059, 22.6054

Triad

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



12.4590, 14.1059, 21.8047



15.7433, 14.1059, 14.9182



12.2045, 14.1059, 10.6733

Complementary

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



12.4590, 14.1059, 21.8047



14.1986, 13.3662, 9.2292

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.



13.2525, 14.1059, 9.8547



12.4590, 14.1059, 21.8047



15.3306, 14.1059, 12.0728

Square

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



12.4590, 14.1059, 21.8047



15.5011, 14.1059, 18.3127



14.4024, 14.1059, 10.3279



11.5109, 14.1059, 12.7412

Rectangle

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



12.4590, 14.1059, 21.8047



14.3303, 14.1059, 21.9211



14.4024, 14.1059, 10.3279



12.5247, 14.1059, 10.2575

Sweetspot

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



12.4594, 14.1065, 21.8050



30.3571, 32.7087, 39.4578



12.7717, 17.4187, 13.6235



6.8134, 7.3576, 8.9641



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.4594, 14.1065, 21.8050



19.7162, 22.6017, 38.0678



10.3225, 9.8326, 21.0927



4.3197, 4.6334, 5.4799



6.8346, 7.4876, 21.3350



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.1609, 11.1321, 15.8709



23.2706, 16.8753, 25.5617



16.6066, 18.1822, 10.0318



4.4342, 4.3868, 5.0909



10.3267, 5.1504, 8.3103



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.4590, 14.1059, 21.8047 looks on a white 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

Black Background



This preview shows how the XYZ color 12.4590, 14.1059, 21.8047 looks on a black 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

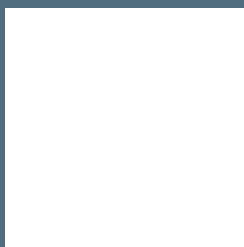
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4590, 14.1059, 21.8047

Background



This preview shows how black text looks on a background with the XYZ color 12.4590, 14.1059, 21.8047.



This preview shows how white text looks on a background with the XYZ color 12.4590, 14.1059,

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

12.4590, 14.1059, 21.8047

Protanopia

13.8300, 14.0725, 20.3997

Deuteranopia

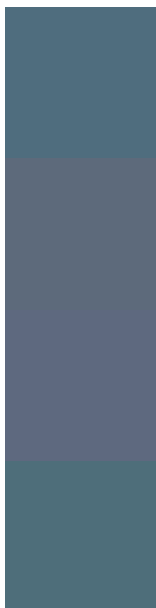
14.1757, 13.9186, 22.0181



Tritanopia

11.9663, 14.0616, 19.5362

Trichromacy



Original Color

12.4590, 14.1059, 21.8047

Protanomaly

13.2434, 14.0653, 20.7558

Deuteranomaly

13.4984, 14.0151, 22.0724

Tritanomaly

12.2307, 14.1767, 20.5041

Monochromacy



Original Color

12.4590, 14.1059, 21.8047

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.5369, 13.6305, 17.0091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4590, 14.1059, 21.8047 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(79, 109, 126)` looks like.

```
.text, #text, p{  
    color:rgb(79, 109, 126)  
}
```

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(79, 109, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 109, 126) }
```

Border

The CSS property to change the border of an element to XYZ 12.4590, 14.1059, 21.8047 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(79, 109, 126) }
```


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

```
.border{ border-color:rgb(79, 109, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 109, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 109, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 109, 126);  
box-shadow:4px 4px 4px 4px rgb(79, 109,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4590, 14.1059, 21.8047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 109, 126) }
```

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

```
.background{ background-color: rgb(79, 109,  
126) }
```

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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