

Converting Colors

XYZ(12.5116, 14.1986, 21.4665)

Have a look what the booklet for
XYZ(12.5116, 14.1986, 21.4665)
contains.

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Color

**XYZ(12.4786, 14.1234,
21.4704)**

Conversions

Conversions Part 1

Format	Color
Hex	506D7D
RGB	80, 109, 125
RGB Percent	31%, 43%, 49%
CMY	0.6863, 0.5725, 0.5098
CMYK	0.36, 0.13, 0.00, 0.51
HSL	201°, 22%, 40%
HSV	201°, 36%, 49%
XYZ	12.4786, 14.1234, 21.4704
YIQ	102.1530, -22.4200, -1.1720

Conversions

Conversions Part 2

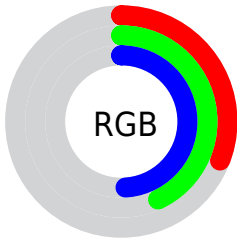
Format	Color
R_{YB}	80, 98, 125
Decimal	5270909
CIE _{Lab}	44.41, -6.26, -12.26
CIE _{LCh}	44, 13.763, 242.939
Yxy	14.1234, 0.2596, 0.2938
Android (android.graphics.Color)	4283460989 (0xFF506D7D)
YUV	102.1530, 11.2636, -19.4282
Hunter-Lab	37.5811, -6.4970, -7.5661

Details

The XYZ color **12.4786, 14.1234, 21.4704** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.0886, 13.3052, 9.4155**, and the grayscale version is **12.6453, 13.3039, 14.4879**.

A 20% lighter version of the original color is **29.9668, 33.1813, 46.9447**, and **3.6228, 4.2741, 7.4715** is the 20% darker color. If you saturate the color by 10%, you get **11.0577, 12.7051, 21.2718**, and if you desaturate by 10%, it is **14.1208, 15.6920, 21.6869**.

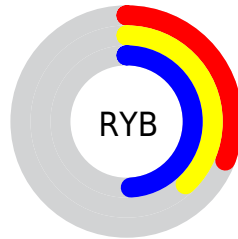
Distribution



Red (31%)

Green (43%)

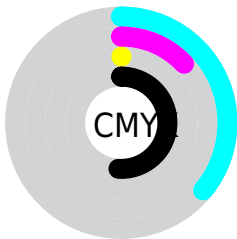
Blue (49%)



Red (31%)

Yellow (38%)

Blue (49%)

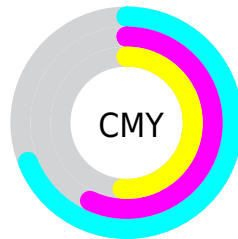


Cyan (36%)

Magenta (13%)

Yellow (0%)

Black (51%)



Cyan (69%)

Magenta (57%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4786, 14.1234, 21.4704 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 12.4786, 14.1234, 21.4704 by changing the saturation by 10% instead.

■ 12.4786, 14.1234,
21.4704

■ 12.4786, 14.1234,
21.4704

201.2544,
217.9972, 272.6306

■ 7.1450, 8.2065,
13.2737

■ 29.9732, 33.3078,
46.7600

■ 3.6001, 4.2274,
7.4843

■ 42.8649, 47.3442,
64.6900

■ 1.4785, 1.8016,
3.6838

■ 59.0067, 64.8558,
86.7015

■ 0.3111, 0.4881,
1.4535

■ 78.7639, 86.2271,
113.2131

■ 0.0000, 0.0000,
0.1830

■ 102.5019,
111.8425, 144.6432

■ 0.0000, 0.0000,
0.0000

130.5861,

142.0864, 181.4105

163.3818,
177.3432, 223.9335

■ 12.4786, 14.1234,
21.4704

■ 12.4786, 14.1234,
21.4704

■ 11.0577, 12.7051,
21.2718

■ 14.1208, 15.6920,
21.6869

■ 9.8454, 11.4291,
21.0894

■ 15.9933, 17.4152,
21.9208

■ 8.8300, 10.2890,
20.9228

■ 18.1063, 19.2990,
22.1730

■ 7.9975, 9.2774,
20.7714

■ 20.4690, 21.3485,
22.4441

■ 7.3324, 8.3854,
20.6343

■ 23.0899, 23.5687,
22.7345

■ 6.8070, 7.5984,
20.5101

■ 25.9773, 25.9644,
23.0447

■ 6.6114, 7.3000,
20.4628

■ 29.1390, 28.5400,
23.3752

■ 32.5826, 31.2998,
23.7264

■ 36.3151, 34.2481,
24.0988

Harmonies

Analogous

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



11.7156, 14.1234, 18.9365



12.4786, 14.1234, 21.4704



13.5333, 14.1234, 22.3047

Triad

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



12.4786, 14.1234, 21.4704



15.6638, 14.1234, 15.0676



12.2994, 14.1234, 10.8083

Complementary

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



12.4786, 14.1234, 21.4704



14.0886, 13.3052, 9.4155

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.



13.3150, 14.1234, 10.0581



12.4786, 14.1234, 21.4704



15.2907, 14.1234, 12.2958

Square

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



12.4786, 14.1234, 21.4704



15.4100, 14.1234, 18.3214



14.4157, 14.1234, 10.5631



11.6162, 14.1234, 12.7680

Rectangle

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



12.4786, 14.1234, 21.4704



14.2707, 14.1234, 21.7028



14.4157, 14.1234, 10.5631



12.6113, 14.1234, 10.4195

Sweetspot

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



12.4790, 14.1240, 21.4707



30.3757, 32.7460, 39.4640



12.7421, 17.2129, 13.6574



6.8180, 7.3668, 8.9657



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.



12.4790, 14.1240, 21.4707



20.2697, 23.2285, 38.1596



10.3984, 9.9626, 20.7772



4.3218, 4.6376, 5.4806



6.8934, 7.6054, 21.3546



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.0868, 11.2019, 15.8883



23.6672, 17.4828, 26.2666



16.4136, 17.9553, 10.1906



4.4353, 4.3873, 5.0965



10.3565, 5.1623, 8.4668



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.4786, 14.1234, 21.4704 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 12.4786, 14.1234, 21.4704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

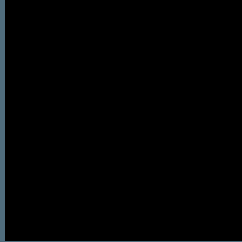
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4786, 14.1234, 21.4704

Background



This preview shows how black text looks on a background with the XYZ color 12.4786, 14.1234, 21.4704.

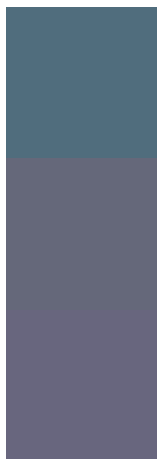


This preview shows how white text looks on a background with the XYZ color 12.4786, 14.1234,

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

12.4786, 14.1234, 21.4704

Protanopia

13.8300, 14.0725, 20.3997

Deuteranopia

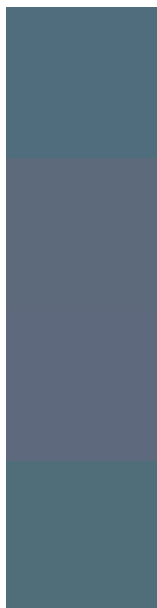
14.2262, 13.9522, 21.6819



Tritanopia

12.0476, 14.1035, 19.5400

Trichromacy



Original Color

12.4786, 14.1234, 21.4704

Protanomaly

13.2434, 14.0653, 20.7558

Deuteranomaly

13.5368, 14.0424, 21.7357

Tritanomaly

12.2516, 14.1946, 20.1833

Monochromacy



Original Color

12.4786, 14.1234, 21.4704

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.4821, 13.6086, 16.7207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4786, 14.1234, 21.4704 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(80, 109, 125) looks like.

```
.text, #text, p{  
    color:rgb(80, 109, 125)  
}
```

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(80, 109, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 109, 125) }
```

Border

The CSS property to change the border of an element to XYZ 12.4786, 14.1234, 21.4704 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(80, 109, 125) }
```


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

```
.border{ border-color:rgb(80, 109, 125) }
```

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

Here you see how a box with a 4 pixel rgb(80, 109, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 109, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 109, 125);  
box-shadow:4px 4px 4px 4px rgb(80, 109,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4786, 14.1234, 21.4704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 109, 125) }
```

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

```
.background{ background-color: rgb(80, 109,  
125) }
```

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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