

Converting Colors

XYZ(12.6081, 14.3916, 21.4986)

Have a look what the booklet for
XYZ(12.6081, 14.3916, 21.4986)
contains.

XYZ(12.5859, 14.3380, 21.5062)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.5859, 14.3380,
21.5062)**

Conversions

Conversions Part 1

Format	Color
Hex	506E7D
RGB	80, 110, 125
RGB Percent	31%, 43%, 49%
CMY	0.6863, 0.5686, 0.5098
CMYK	0.36, 0.12, 0.00, 0.51
HSL	200°, 22%, 40%
HSV	200°, 36%, 49%
XYZ	12.5859, 14.3380, 21.5062
YIQ	102.7400, -22.6950, -1.6950

Conversions

Conversions Part 2

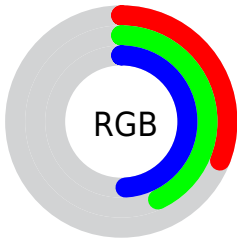
Format	Color
R_{YB}	80, 98, 125
Decimal	5271165
CIE _{Lab}	44.71, -6.85, -11.80
CIE _{LCh}	45, 13.639, 239.866
Yxy	14.3380, 0.2599, 0.2961
Android (android.graphics.Color)	4283461245 (0xFF506E7D)
YUV	102.7400, 10.9742, -19.9430
Hunter-Lab	37.8656, -6.9342, -7.1686

Details

The XYZ color **12.5859, 14.3380, 21.5062** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.9979, 13.1239, 9.3853**, and the grayscale version is **12.8001, 13.4667, 14.6653**.

A 20% lighter version of the original color is **30.3163, 33.8803, 47.0612**, and **3.6228, 4.2741, 7.4715** is the 20% darker color. If you saturate the color by 10%, you get **11.1882, 12.9660, 21.3153**, and if you desaturate by 10%, it is **14.2021, 15.8547, 21.7140**.

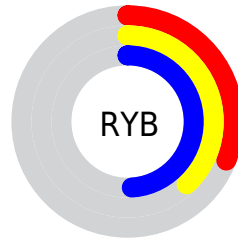
Distribution



Red (31%)

Green (43%)

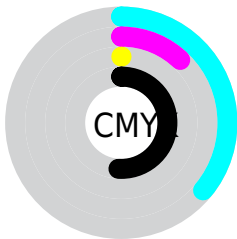
Blue (49%)



Red (31%)

Yellow (38%)

Blue (49%)

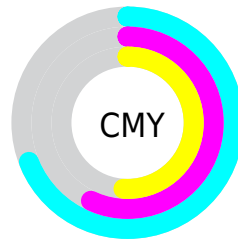


Cyan (36%)

Magenta (12%)

Yellow (0%)

Black (51%)



Cyan (69%)

Magenta (57%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5859, 14.3380, 21.5062 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 12.5859, 14.3380, 21.5062 by changing the saturation by 10% instead.

■ 12.5859, 14.3380,
21.5062

■ 12.5859, 14.3380,
21.5062

201.9381,
219.3235, 272.8254

■ 7.2190, 8.3561,
13.2997

■ 30.1655, 33.6876,
46.8202

■ 3.6470, 4.3237,
7.5021

■ 43.1089, 47.8240,
64.7647

■ 1.5044, 1.8562,
3.6949

■ 59.3086, 65.4475,
86.7923

■ 0.3289, 0.5218,
1.4595

■ 79.1299, 86.9424,
113.3215

■ 0.0000, 0.0000,
0.1875

■ 102.9381,
112.6930, 144.7709

■ 0.0000, 0.0000,
0.0000

131.0987,

143.0838, 181.5590

163.9769,
178.4992, 224.1043

■ 12.5859, 14.3380,
21.5062

■ 12.5859, 14.3380,
21.5062

■ 11.1882, 12.9660,
21.3153

■ 14.2021, 15.8547,
21.7140

■ 9.9963, 11.7308,
21.1397

■ 16.0457, 17.5200,
21.9383

■ 8.9985, 10.6261,
20.9791

■ 18.1269, 19.3401,
22.1799

■ 8.1811, 9.6446,
20.8327

■ 20.4546, 21.3199,
22.4394

■ 7.5285, 8.7775,
20.6997

■ 23.0376, 23.4642,
22.7171

■ 7.0131, 8.0104,
20.5788

■ 25.8840, 25.7778,
23.0137

■ 6.8207, 7.7187,
20.5327

■ 29.0015, 28.2649,
23.3294

■ 32.3975, 30.9297,
23.6648

■ 36.0793, 33.7764,
24.0202

Harmonies

Analogous

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



11.8623, 14.3380, 18.8518



12.5859, 14.3380, 21.5062



13.6228, 14.3380, 22.5435

Triad

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



12.5859, 14.3380, 21.5062



15.8715, 14.3380, 15.6259



12.5941, 14.3380, 10.8952

Complementary

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



12.5859, 14.3380, 21.5062



13.9979, 13.1239, 9.3853

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.



13.6328, 14.3380, 10.2700



12.5859, 14.3380, 21.5062



15.5604, 14.3380, 12.7658

Square

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



12.5859, 14.3380, 21.5062



15.5549, 14.3380, 18.8799



14.7258, 14.3380, 10.9065



11.8669, 14.3380, 12.7442

Rectangle

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



12.5859, 14.3380, 21.5062



14.3648, 14.3380, 22.0827



14.7258, 14.3380, 10.9065



12.9165, 14.3380, 10.5471

Sweetspot

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



12.5863, 14.3386, 21.5065



30.4432, 32.8810, 39.4865



12.6739, 17.1857, 13.2982



6.8347, 7.4003, 8.9712



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.



12.5863, 14.3386, 21.5065



20.4956, 23.6803, 38.2349



10.5207, 10.2072, 20.8180



4.3294, 4.6529, 5.4832



7.1121, 8.0427, 21.4275



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.1410, 11.2236, 16.1735



23.7813, 17.5284, 26.8671



16.2379, 17.6039, 10.1320



4.4391, 4.3888, 5.1168



10.4668, 5.2064, 9.0480



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.5859, 14.3380, 21.5062 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 12.5859, 14.3380, 21.5062 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

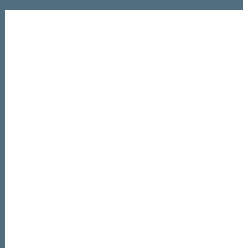
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.5859, 14.3380, 21.5062

Background



This preview shows how black text looks on a background with the XYZ color 12.5859, 14.3380, 21.5062.

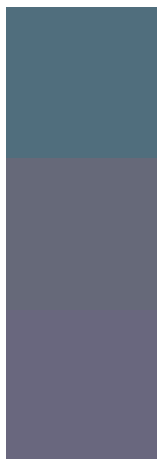


This preview shows how white text looks on a background with the XYZ color 12.5859, 14.3380,

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

12.5859, 14.3380, 21.5062

Protanopia

13.9823, 14.3084, 20.1140

Deuteranopia

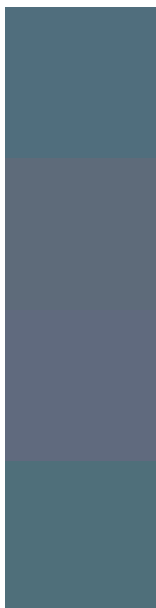
14.4418, 14.2101, 21.7203



Tritanopia

12.2991, 14.3872, 19.8981

Trichromacy



Original Color

12.5859, 14.3380, 21.5062

Protanomaly

13.3866, 14.3002, 20.4670

Deuteranomaly

13.7438, 14.3012, 21.7747

Tritanomaly

12.4217, 14.4363, 20.5441

Monochromacy



Original Color

12.5859, 14.3380, 21.5062

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.7426, 13.8887, 17.0481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5859, 14.3380, 21.5062 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, 110, 125) looks like.

```
.text, #text, p{  
    color:rgb(80, 110, 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, 110, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 110, 125) }
```

Border

The CSS property to change the border of an element to XYZ 12.5859, 14.3380, 21.5062 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, 110, 125) }
```


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

```
.border{ border-color:rgb(80, 110, 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, 110, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 110, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 110, 125);  
box-shadow:4px 4px 4px 4px rgb(80, 110,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5859, 14.3380, 21.5062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 110, 125) }
```

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

```
.background{ background-color: rgb(80, 110,  
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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